

Publications 2012

Nos REF	Titre	Auteur	Revue	Vol.	Issue	Pages
2012- 1	Iron topochemistry and surface reactivity of amphibole asbestos: relations with in vitro toxicity	A. Pacella*, GB Andreozzi, J. Fournier, L. Stievano, F. Giantomassi, G. Lucarini, MR. Rippon, A. Pugnali	Analytical and Bioanalytical Chemistry	402	2	871-881
2012- 2	Chiral Ammonium-Capped Rhodium(0) Nanocatalysts: Synthesis, Characterization, and Advances in Asymmetric Hydrogenation in Neat Water	E. Bile, E. Cortelazzo-Polisini, A. Denicourt-Nowicki*, R. Sassine, F. Launay, A. Roucoux*	Chemsuschem	5	1	91-101
2012- 3	Effects of organic and inorganic treatment agents on the formation of conversion layer on hot-dip galvanized steel: An X-ray photoelectron spectroscopy study	S. Le Manchot*, D. Verchere, J. Landoulsi	Thin Solid Films	520	6	2009-2016
2012- 4	Prebiotic chemistry	J.-F. Lambert*, M. Sodupe, P. Ugliengo	Chemical Society Reviews	41	16	5379-5374
2012- 5	Facile synthesis of palladium nanowires by a soft templating method	PF. Siril, A. Lehoux, L. Ramos, P. Beaunier, H. Remita*	New Journal of Chemistry	36	10	2135-2139
2012- 6	Effect of vanadium dispersion and of support properties on the catalytic activity of V-containing silicas	M. Piumetti, B. Bonelli*, P. Massiani, S. Dzwigaj, I. Rossetti, S. Casale, M. Armandi, C. Thomas, E. Garrone	Catalysis Today	179	1	140-148
2012- 7	Unravelling the enhanced reactivity of bulk CeO ₂ doped with gallium: A periodic DFT study	P. Quaino, O. Syzgantseva, L. Siffert, F. Tielens, C. Minot, M. Calatayud*	Chemical Physics Letters	519-20	-	69-72
2012- 8	Silane Layers on Silicon Surfaces: Mechanism of Interaction, Stability, and Influence on Protein Adsorption	N. Aissaoui, L. Bergaoui, J. Landoulsi, J.-F. Lambert, S. Boujday*	Langmuir	28	1	656-665
2012- 9	DFT study of the M segregation on MAu alloys (M = Ni, Pd, Pt) in presence of adsorbed oxygen O and O ₂	A. Dhouib, H. Guesmi*	Chemical Physics Letters	521	-	98-103
2012- 10	Chromium Oxide Species Supported on Silica: A Representative Periodic DFT Model	H. Guesmi, F. Tielens*	Journal of Physical Chemistry C	116	1	994-1001
2012- 11	Probing Acid-Base Properties in Group V Aluminum Containing Zeolites	A. Wojtaszek, M. Ziolek, F. Tielens*	Journal of Physical Chemistry C	116	3	246-2468
2012- 12	Enhanced selective nitroarene hydrogenation over Au supported on beta-Mo ₂ C and beta-MO ₂ C/Al ₂ O ₃	N. Perret, XD. Wang, L. Delannoy, C. Potvin, C. Louis, MA. Keane*	Journal of Catalysis	286	-	172-183
2012- 13	Transition-Metal-Free Catalysts for the Sustainable Epoxidation of Alkenes: From Discovery to Optimisation by Means of High Throughput Experimentation	W. Lueangchaichaweng, I. Geukens, A. Peeters, B. Jarry, F. Launay, J.-L. Bonardet, PA. Jacobs, PP. Pescarmona	Combinatorial Chemistry & High Throughput Screening	15	2	140-151
2012- 14	Identification and Location of Iron Species in Fe/SBA-15 Catalysts: Interest for Catalytic Fenton Reactions	C. Cornu, J.-L. Bonardet, S. Casale, A. Davidson*, S. Abramson, G. Andre, F. Porcher, I. Grcic, V. Tomasic, D. Vujevic, N. Koprivanac	Journal of Physical Chemistry C	116	5	3437-3448

2012-	15	Influence of the Ti content on the photocatalytic oxidation of 2-propanol and CO on TiSiBEA zeolites	<u>S. Dzwigaj*</u> , <u>JP. Nogier</u> , <u>M. Che</u> , <u>M. Saito</u> , <u>T. Hosokawa</u> , <u>E. Thouverez</u> , <u>M. Matsuoka</u> , <u>M. Anpo</u>	Catalysis Communications	19	/	17-20
2012-	16	Role of the Al source in the synthesis of aluminum magadiite	<u>YF. Bi</u> , <u>J. Blanchard*</u> , <u>JF. Lambert</u> , <u>Y. Millot</u> , <u>S. Casale</u> , <u>SQ. Zeng</u> , <u>H. Nie</u> , <u>DD. Li</u>	Applied Clay Science	57		71-78
2012-	17	On the promoting effect of Au on CO oxidation kinetics of Au-Pt bimetallic nanoparticles supported on SiO ₂ : An electronic effect?	<u>R.P. Doherty</u> , <u>JM. Krafft</u> , <u>C. Méthivier</u> , <u>S. Casale</u> , <u>H. Remita</u> , <u>C. Louis</u> , <u>C. Thomas*</u>	Journal of Catalysis	287		102-113
2012-	18	A Time-Resolved In Situ Quick-XAS Investigation of Thermal Activation of Fischer-Tropsch Silica-Supported Cobalt Catalysts	<u>JP. Hong</u> , <u>E. Marceau*</u> , <u>AY. Khodakov*</u> , <u>A. Griboval-Constant</u> , <u>C. La Fontaine</u> , <u>V. Briois</u>	Chemistry-A European Journal	18	10	2802-2805
2012-	19	Elaboration of Prussian Blue Analogue/Silica Nanocomposites: Towards Tailor-Made Nano-Scale Electronic Devices	<u>G. Fornasieri</u> , <u>M. Aouadi</u> , <u>E. Delahaye</u> , <u>P. Beauquier</u> , <u>D. Durand</u> , <u>E. Riviere</u> , <u>PA. Albouy</u> , <u>F. Brisset</u> , <u>A. Bleuzen*</u>	Materials	5	3	385-403
2012-	20	Ordered Nanostructures on a Hydroxylated Aluminum Surface through the Self-Assembly of Fatty Acids	<u>I. Liascukiene</u> , <u>N. Aissaoui</u> , <u>SJ. Asadauskas</u> , <u>J. Landoulsi*</u> , <u>JF. Lambert</u>	Langmuir	28	11	5116-5124
2012-	21	Lewis Acido-Basic Interactions between CO ₂ and MgO Surface: DFT and DRIFT Approaches	<u>D. Cornu</u> , <u>H. Guesmi*</u> , <u>JM. Krafft</u> , <u>H. Lauron-Pernot</u>	Journal of Physical Chemistry C	116	11	6645-6654
2012-	22	Drastic Au(111) Surface Reconstruction upon Insulin Growth Factor Tripeptide Adsorption	<u>V. Humblot*</u> , <u>A. Vallee</u> , <u>A. Naitabdi</u> , <u>F. Tielens</u> , <u>CM. Pradier</u>	Journal of The American Chemical Society	134	15	6579-6583
2012-	23	Intracellular biosynthesis of superparamagnetic 2-lines ferri-hydrate nanoparticles using Euglena gracilis microalgae	<u>R. Brayner*</u> , <u>T. Coradin</u> , <u>P. Beauquier</u> , <u>JM. Greneche</u> , <u>C. Djediat</u> , <u>C. Yepremian</u> , <u>A. Coute</u> , <u>F. Fievet</u>	Colloids and Surfaces B-Biointerfaces	93		20-23
2012-	24	Antibacterial surfaces developed from bio-inspired approaches	<u>K. Glinel*</u> , <u>P. Thebault</u> , <u>V. Humblot</u> , <u>C.-M. Pradier</u> , <u>T. Jouenne*</u>	Acta Biomaterialia	8	5	1670-1684
2012-	25	Effect of equal channel angular extrusion on wear and corrosion behavior of the orthopedic Ti-13Nb-13Zr alloy in simulated body fluid	<u>KS. Suresh</u> , <u>M. Geetha*</u> , <u>C. Richard</u> , <u>J. Landoulsi</u> , <u>R. Ramasawmy</u> , <u>S.Suwas</u> , <u>R. Asokamani</u>	Materials Science & Engineering C-Materials for Biological Applications	32	4	763-771
2012-	26	Surface Plasmon Resonance Biosensors Incorporating Gold Nanoparticles	<u>E.-E. Bedford</u> , <u>J. Spadavecchia</u> , <u>C.-M. Pradier*</u> , <u>F.-X. Gu*</u>	Macromolecular Bioscience	12	6	724-739
2012-	27	Bifunctional Polyoxometalates for Planar Gold Surface, Nanostructuration and Protein Immobilization	<u>D. Mercier</u> , <u>S. Boujday*</u> , <u>C. Annabi</u> , <u>R. Villanneau</u> , <u>C.-M. Pradier</u> , <u>A. Proust*</u>	Journal of Physical Chemistry C	116	24	13217-13224
2012-	28	Synthesis and Treatment Parameters for Controlling Metal Particle Size and Composition in Cu/ZnO Materials-First Evidence of Cu ₃ Zn Alloy Formation	<u>S. Derrouiche</u> , <u>H. Lauron-Pernot</u> , <u>C. Louis*</u>	Chemistry of Materials	24	12	2282-2291
2012-	29	Influence of the textural properties of porous aluminas on the reducibility of Ni/Al ₂ O ₃ catalysts	<u>F. Bentaleb</u> , <u>E. Marceau*</u>	Microporous and Mesoporous Materials	156		40-44
2012-	30	Elaboration of antibiofilm surfaces functionalized with antifungal-cyclodextrin inclusion complexes	<u>A Gharbi</u> , <u>V. Humblot</u> , <u>F. Turpin</u> , <u>CM. Pradier</u> , <u>C. Imbert</u> , <u>JM. Berjeaud*</u>	Fems Immunology and Medical Microbiology	65	2	257-269
2012-	31	Elaboration, characterization and properties of silica-based single-site heterogeneous photocatalysts	<u>M. Che</u> , <u>K. Mori</u> , <u>H. Yamashita</u>	Proceedings of The Royal Society A-Mathematical Physical and Engineering Sciences	468	2143	2113-2128
2012-	32	Selective catalytic reduction of NO on single site FeSiBEA zeolite catalyst: Influence of the C ₁ and C ₂ reducing agents on the catalytic properties	<u>J. Janas</u> , <u>W. Rojek</u> , <u>T. Shishido</u> , <u>S. Dzwigaj*</u>	Applied Catalysis B-Environmental	123		134-140
2012-	33	The past, present and future of heterogeneous catalysis	<u>I. Fechete</u> , <u>Y. Wang</u> , <u>J.-C. Vedrine*</u>	Catalysis Today	189	1	2-27
2012-	34	Silver species reduction upon exposure of Ag/Al ₂ O ₃ catalyst to gaseous ethanol: An in situ Quick-XANES study	<u>E. Sayah</u> , <u>C. La Fontaine</u> , <u>V. Briois</u> , <u>D. Brouri</u> , <u>P. Massiani*</u>	Catalysis Today	189	1	55-59
2012-	35	Surface chemistry and surface reactivity of fibrous amphiboles that are not regulated as asbestos	<u>M. Fantauzzi</u> , <u>A. Pacella</u> , <u>J. Fournier</u> , <u>A. Gianfagna</u> , <u>GB. Andreozzi*</u> , <u>A. Rossi*</u>	Analytical and Bioanalytical Chemistry	404	3	821-833

2012-	36	Chromium sites in zeolite framework: Chromyl or chromium hydroxyl groups?	<u>F. Tielens*</u> , MM. Islam, G. Skara, F. De Proft, T. Shishido, <u>S. Dzwigaj</u>	Microporous and Mesoporous Materials	159		66-73
2012-	37	A combined experimental and theoretical study of the simultaneous occupation of Si _{1a} and Si ¹ sites in fully dehydrated K-LSX	<u>H. Guesmi*</u> , <u>P. Massiani</u> , H. Nouali, JL. Paillaud	Microporous and Mesoporous Materials	159		87-95
2012-	38	Active and passive rotations with Euler angles in NMR	<u>Y. Millot</u> , PP. Man*	Concepts in Magnetic Resonance Part A	40A	5	215-252
2012-	39	Role of active components of an Ag/Al ₂ O ₃ /cordierite catalyst in selective reduction of NO by ethanol	<u>N. Popovich*</u> , Pl. Kirienko, SA. Solov'ev, SN. Orlik, <u>S. Dzwigaj</u>	Theoretical and Experimental Chemistry	48	4	258-264
2012-	40	The influence of C ₁ and C ₂ organic reducing agents on catalytic properties of Co(II)-single site BEA zeolite in SCR of NO	J. Janas, W. Rojek, <u>S. Dzwigaj*</u>	Catalysis Today	191	1	32-37
2012-	41	Synthesis, characterization and catalytic activity of meso-niobium phosphate in the oxidation of benzyl alcohols	MC. Reis, SDT. Barros, ER. Lachter*, RAS. San Gil, JH. Flores, MIP. da Silva, <u>T. Onfroy</u>	Catalysis Today	192	1	117-122
2012-	42	Influence of the preparation procedure on the nature and environment of vanadium in VSiBEA zeolite: XRD, DR UV-vis, NMR, EPR and TPR studies	<u>R. Baran</u> , <u>Y. Millot</u> , <u>T. Onfroy</u> , <u>F. Averseng</u> , <u>JM. Krafft</u> , <u>S. Dzwigaj*</u>	Microporous and Mesoporous Materials	161		179-186
2012-	43	Elaboration of a reusable immunosensor for the detection of staphylococcal enterotoxin A (SEA) in milk with a quartz crystal microbalance	<u>M. Salmain</u> , <u>M. Ghasemi</u> , <u>S. Boujday*</u> , <u>C.-M. Pradier</u>	Sensors and Actuators B-Chemical	173		148-156
2012-	44	ZnO Oxygen Vacancies Formation and Filling Followed by in Situ Photoluminescence and in Situ EPR	<u>C. Drouilly</u> , <u>J.-M. Krafft</u> , <u>F. Averseng</u> , <u>S. Casale</u> , <u>D. Bazer-Bachi</u> , <u>C. Chizallet</u> , <u>V. Lecocq</u> , <u>H. Vezin</u> , <u>H. Lauron-Pernot</u> , <u>G. Costentin*</u>	Journal of Physical Chemistry C	116	40	21297-21307
2012-	45	Influence of the nitric acid treatment on Al removal, framework composition and acidity of BEA zeolite investigated by XRD, FTIR and NMR	<u>R. Baran</u> , <u>Y. Millot</u> , <u>T. Onfroy</u> , <u>JM. Krafft</u> , <u>S. Dzwigaj*</u>	Microporous and Mesoporous Materials	163		122-130
2012-	46	Co-Grafting of Amino Poly(ethylene glycol) and Magainin I on a TiO ₂ Surface: Tests of Antifouling and Antibacterial Activities	<u>J. Peyre</u> , <u>V. Humblot</u> , <u>C. Methivier</u> , JM. Berjeaud, <u>CM. Pradier*</u>	Journal of Physical Chemistry B	116	47	13839-13847
2012-	47	Bioconjugated gold nanorods to enhance the sensitivity of FT-SPR-based biosensors	<u>J. Spadavecchia*</u> , <u>S. Casale</u> , <u>S. Boujday</u> , <u>C.-M. Pradier</u>	Colloids and Surfaces B-Biointerfaces	100		1-8
2012-	48	Tuning the Porosity of Bimetallic Nanostructures by a Soft Templating Approach	A. Lehoux, L. Ramos, <u>P. Beaunier</u> , DB. Uribe, P. Dieudonne, F. Audonnet, A. Etcheberry, M. Jose-Yacaman, H. Remita*	Advanced Functional Materials	22	23	4900-4908
2012-	49	Adsorption of L-DOPA Intercalated in Hydrated Na-Saponite Clay: A Combined Experimental and Theoretical Study	<u>K. El Adraa</u> , <u>V. Timon</u> , <u>J.-F. Lambert</u> , AR. Al-Rabaa, F. Jaber, <u>M. Jaber</u> , <u>F. Tielens*</u>	Journal of Physical Chemistry C	116	50	26414-26421
2012-	50	Lipase-embedded silica nanoparticles with oil-filled core-shell structure: stable and recyclable platforms for biocatalysts	Y. Kuwahara, T. Yamanishi, T. Kamegawa, K. Mori, <u>M. Che</u> , H. Yamashita*	Chemical Communications	48	23	2882-2884
2012-	51	Mechanism of RuO ₂ Crystallization in Borosilicate Glass: An Original <i>in Situ</i> ESEM Approach	H. Boucetta*, R. Podor, L. Stievano, J. Ravau, <u>X. Carrier</u> , <u>S. Casale</u> , S. Gosse, A. Monteiro, S. Schuller	Inorganic Chemistry	51	6	3478-3489
2012-	52	New insights into the development of Bronsted acidity of niobic acid	V. Lebarbier, M. Houalla, <u>T. Onfroy*</u>	Catalysis Today	192	1	123-129
2012-	53	Surface Science Approach to the Solid-Liquid Interface: Surface-Dependent Precipitation of Ni(OH) ₂ on α-Al ₂ O ₃ Surfaces	<u>A. Tougertj</u> , I. Llorens, F. D'Acapito, E. Fonda, JL. Hazemann, Y. Joly, D. Thiaudiere, <u>M. Che</u> , <u>X. Carrier*</u>	Angewandte Chemie-International Edition	51	31	7697-7701

2012-	54	Contribution to the understanding of the formation mechanism of bimodal mesoporous MCM41-type silica with large defect cavities	C. Bernal, Claudia, M. Mesa, <u>M. Jaber</u> , JL. Guth, L. Sierra*	Microporous and Mesoporous Materials	153		217-226
2012-	55	Specific interactions of functionalised gold surfaces with ammonium perchlorate or starch; towards a chemical cartography of their mixture	<u>D. Mercier</u> , C. Mercader, S. Quere, L. Hairault, <u>C. Methivier</u> , C.-M. Pradier*	Applied Surface Science	258	24	9518-9525
2012-	56	Amine degradation in CO ₂ capture. I. A review	C. Guedard, D. Picq, <u>F. Launay</u> , P.-L. Carrette*	International Journal of Greenhouse Gas Control	10		244-270
2012-	57	Surface Plasmon Resonance Imaging: New Tool for Immunodiagnosics of Food Allergy	O. Chakra, N. Vollmer, <u>S. Boujday</u> , P. Poncet, H. Chardin, G. Peltre, <u>C.-M. Pradier</u> , H. Senechal	World Allergy Organization Journal	??	??	??
2012-	58	Quick identification of kuraridin, a noncytotoxic anti-MRSA (methicillin-resistant Staphylococcus aureus) agent from Sophora flavescens using high-speed counter-current chromatography	BCL. Chan, H. Yu, CW. Wong, SL. Lui, <u>C. Jolivalt</u> , C. Ganem-Elbaz, JM. Paris, B. Morleo, M. Litaudon, CBS Lau, M. Ip, KP. Fung, PC. Leung, QB. Han*	Journal of Chromatography B-Analytical Technologies in the Biomedical and Life Sciences	880		157-162
2012-	59	In vitro inhibitory properties of ferrocene-substituted chalcones and aurones on bacterial and human cell cultures	KN .Tiwari, JP. Monserrat, A. Hequet, C. Ganem-Elbaz, T. Cresteil, G. Jaouen, A. Vessieres, EA. Hillard*, <u>C. Jolivalt</u>	Dalton Transactions	41	21	6451-6457
2012-	60	Anticancer Activity of Silver-N-Heterocyclic Carbene Complexes: Caspase-Independent Induction of Apoptosis via Mitochondrial Apoptosis-Inducing Factor (AIF)	L. Eloy, AS. Jarrousse, ML. Teyssot, A. Gautier, L. Morel, <u>C. Jolivalt</u> , T. Cresteil*, S. Roland*	Chemmedchem	7	5	805-814
2012-	61	Nanocomposites magnétiques à base de silice préparés par des méthodes vertes : synthèse, propriétés et application dans le traitement de l'eau	S. Abramson*, P. Beaunier, S. Borrensztajn, V. Dupuis, L. Perrigaud, A. Bee, V. Cabuil	Materiaux & Techniques	100	3	221-239

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2013-	01	Design of Mixed PEO/PAA Brushes with Switchable Properties Toward Protein Adsorption	MF. Delcroix, GL. Huet, T. Conard, S. Demoustier-Champagne, FE. Du Prez, <u>J. Landoulsi</u> , CC. Dupont-Gillain*	Biomacromolecules	14	1	215-225
2013-	02	Bimetallic Au-Pd catalysts for selective hydrogenation of butadiene: Influence of the preparation method on catalytic properties	<u>N. El Kolli</u> , <u>L. Delannoy</u> , <u>C. Louis*</u>	Journal of Catalysis	297		79-92
2013-	03	Preparation of thin film gold based catalysts for oxidation reactions in liquid and gas phases	<u>A.-F. Lamic-Humblot*</u> , P. Barthe, G. Guzman, <u>L. Delannoy</u> , <u>C. Louis</u>	Thin Solid Films	527		96-101
2013-	04	HRTEM and STEM-HAADF characterisation of Au-TiO ₂ and Au-Al ₂ O ₃ catalysts for a better understanding of the parameters influencing their properties in CO oxidation	<u>L. Delannoy</u> , RL. Chantry, <u>S. Casale</u> , ZY. Li, Y. Borensztein, <u>C. Louis*</u>	Physical Chemistry Chemical Physics	15	10	3473-3479
2013-	05	Structure, orientation and stability of lysozyme confined in layered materials	S. Balme*, R. Guegan*, JM. Janot, <u>M. Jaber</u> , M. Lepoitevin, P. Dejardin, X. Bourrat, M. Motelica-Heino	Soft Matter	9	11	3188-3196
2013-	06	Selective terminal function modification of SAMs driven by low-energy electrons (0-15 eV)	J. Houplin, L. Amiaud, <u>V. Humblot</u> , I. Martin, E. Matar, R. Azria, <u>C.-M. Pradier</u> , A. Lafosse*	Physical Chemistry Chemical Physics	15	19	7220-7227
2013-	07	Direct AFM force mapping of surface nanoscale organization and protein adsorption on an aluminum substrate	<u>J. Landoulsi*</u> , V. Dupres	Physical Chemistry Chemical Physics	15	21	8429-8440
2013-	08	Elaboration, activity and stability of silica-based nitroaromatic sensors	<u>D. Mercier</u> , F. Pereira, <u>C. Methivier</u> , P. Montmeat, L. Hairault, <u>C.-M. Pradier*</u>	Physical Chemistry Chemical Physics	15	31	12911-12919

2013-	09	A comparative study of the catalysis of peptide bond formation by oxide surfaces	<u>J.-F. Lambert, M. Jaber, T. Georgelin, L. Stievano</u>	Physical Chemistry Chemical Physics	15	32	13371-13380
2013-	10	Modification of TiO ₂ by bimetallic Au-Cu nanoparticles for wastewater treatment	<u>Z. Hai, N. El Kolti, D.-B. Uribe, P. Beaunier, M. Jose-Yacaman, J. Vigneron, A. Etcheberry, S. Sorgues, C. Colbeau-Justin, J.-F. Chen, H. Remita*</u>	Journal of Materials Chemistry A	1	36	10829-10835
2013-	11	Au/xCeO ₂ /Al ₂ O ₃ catalysts for VOC elimination: oxidation of 2-propanol	<u>P. Lakshmanan, L. Delannoy, C. Louis, N. Bion, J.-M. Tatibouet*</u>	Catalysis Science & Technology	3	11	2918-29-25
2013-	12	Influence of natural adsorbates of magnesium oxide on its reactivity in basic catalysis	<u>D. Cornu, H. Petitjean, G. Costentin, H. Guesmi, J.-M. Krafft, H. Lauron-Pernot*</u>	Physical Chemistry Chemical Physics	15	45	19870-19878
2013-	13	Theoretical insights on the effect of reactive gas on the chemical ordering of gold-based alloys	<u>H. Guesmi*</u>	Gold Bulletin	46	4	213-219
2013-	14	Understanding of the oxygen activation on ceria- and ceria/alumina-supported gold catalysts: a study combining ¹⁸ O/ ¹⁶ O isotopic exchange and EPR spectroscopy	<u>P. Lakshmanan, F. Averseng, N. Bion*, L. Delannoy, JM. Tatibouet, C. Louis</u>	Gold Bulletin	46	4	233-242
2013-	15	Optimizing the immobilization of gold nanoparticles on functionalized silicon surfaces: amine- vs thiol-terminated silane	<u>M. Ben Haddada, J. Blanchard, S. Casale, J.-M. Krafft, A. Vallee, C. Methivier, S. Boujday*</u>	Gold Bulletin	46	4	335-341
2013-	16	Hydrogen and syngas production by methane dry reforming on SBA-15 supported nickel catalysts: On the effect of promotion by Ce _{0.75} Zr _{0.25} O ₂ mixed oxide	<u>A. Albarazi, P. Beaunier, P. Da Costa*</u>	International Journal OF Hydrogen Energy	38	1	127-139
2013-	17	Esterification of fatty acids with alcohols over niobium phosphate	<u>IAL. Bassan, DR. Nascimento, RAS. San Gil, MIP. da Silva, CR. Moreira, WA. Gonzalez, AC. Faro, T. Onfroy, ER. Lachter*</u>	Fuel Processing Technology	106		619-624
2013-	18	Role of oxygen vacancies in the basicity of ZnO: From the model methylbutynol conversion to the ethanol transformation application	<u>C. Drouilly, J.-M. Krafft, F. Averseng, H. Lauron-Pernot, D. Bazer-Bachi, C. Chizallet, V. Lecocq, G. Costentin*</u>	Applied Catalysis A-General	453		121-129
2013-	19	A Molecular Picture of the Adsorption of Glycine in Mesoporous Silica through NMR Experiments Combined with DFT-D Calculations	<u>N. Folliet, Nicolas, C. Gervais*, D. Costa, G. Laurent, F. Babonneau, L. Stievano, J.-F. Lambert, F. Tielens*</u>	Journal OF Physical Chemistry C	117	8	4104-4114
2013-	20	ZSM-5/SBA-15 microporous/mesoporous composites prepared by a microwave-assisted zeolitisation of Al-SBA-15 mesoporous solids	<u>S. Habib, F. Launay*, H. El Zakhem, M. Mazaj, F. Guenneau, P. Beaunier, D. Brouri, NN. Tusar, V. Kaucic, A. Gedeon</u>	Materials Research Bulletin	48	3	1288-1295
2013-	21	Inhalation of uranium nanoparticles: Respiratory tract deposition and translocation to secondary target organs in rats	<u>F. Petitot*, P. Lestaevel, E. Tournalonias, C. Mazzucco, S. Jacquinet, B. Dhieux, O. Delissen, BB. Tournier, F. Gensdarmes, P. Beaunier, I. Dublineau</u>	Toxicology Letters	217	3	217-225
2013-	22	Selective hydrodechlorination of 1,2-dichloroethane on NiSiBEA zeolite catalyst: Influence of the preparation procedure on a high dispersion of Ni centers	<u>R. Baran, Il. Kaminska, A. Srebowata*, S. Dzwigaj*</u>	Microporous and Mesoporous Materials	169		120-127
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2013-	26	A comparative study of the thermal behaviour of length-fast chalcedony, length-slow chalcedony (quartzine) and moganite	P. Schmidt*, A. Slodczyk, V. Lea, <u>A. Davidson</u> , S. Puaud, P. Sciau	Physics and Chemistry of Minerals	40	4	331-340
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2013-	32	Maghemite nanoparticles and maghemite/silica nanocomposite microspheres as magnetic Fenton catalysts for the removal of water pollutants	N. Ferroudj, J. Nzimoto, <u>A. Davidson</u> , D. Talbot, E. Briot, V. Dupuis, A. Bee, MS. Medjram, S. Abramson*	Applied Catalysis B-Environmental	136		43344
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2013-	34	Chiral Recognition of L-Gramicidine on Chiral Methionine-Modified Au(111)	<u>V. Humblot*</u> , <u>C.-M. Pradier</u>	Journal of Physical Chemistry Letters	4	11	1816-1820
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2013-	37	BEA zeolite modified with iron as effective catalyst for N ₂ O decomposition and selective reduction of NO with ammonia	P. Boron, L. Chmielarz*, J. Gurgul, K. Latka, T. Shishido, <u>J.-M. Krafft</u> , <u>S. Dzwigaj*</u>	Applied Catalysis B-Environmental	138		434-445
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2013-	39	Improved activity and stability in CO oxidation of bimetallic Au-Cu/TiO ₂ catalysts prepared by deposition-precipitation with urea	A. Sandoval, <u>C. Louis</u> , R. Zanella*	Applied Catalysis B-Environmental	140		363-377
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2013-	43	Mononuclear pseudo-tetrahedral V species of VSiBEA zeolite as the active sites of the selective oxidative dehydrogenation of propane	<u>K. Chalupka</u> , <u>C. Thomas*</u> , Y. Minot, <u>F. Averseng</u> , <u>S. Dzwigaj</u>	Journal of Catalysis	305		46-55

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2014-	38	Partial oxidation of methane over bifunctional catalyst I. In situ formation of Ni ⁰ /La ₂ O ₃ during temperature programmed POM reaction over LaNiO ₃ perovskite	<u>TH. Nguyen*</u> , <u>A. Lamacz</u> , <u>P. Beaunier</u> , <u>S. Czajkowska</u> , <u>M. Domanski</u> , <u>A. Krzton</u> , <u>T. Van Le</u> , <u>G. Djega-Mariadassou</u>	Applied Catalysis B-Environmental	152		360-369
2014-	39	Temporin-SHa peptides grafted on gold surfaces display antibacterial activity	<u>A. Lombana</u> , <u>Z. Raja</u> , <u>S. Casale</u> , <u>C.-M. Pradier</u> , <u>T. Foulon</u> , <u>A. Ladram*</u> , <u>V. Humblot*</u>	Journal of Peptide Science	20	7	563-569
2014-	40	One-Step Synthesis of Collagen Hybrid Gold Nanoparticles and Formation on Egyptian-like Gold-Plated Archaeological Ivory	<u>J. Spadavecchia</u> , <u>E. Apchain</u> , <u>M. Alberic</u> , <u>E. Fontan</u> , <u>I. Reiche*</u>	Angewandte Chemie-International Edition	53	32	8363-8366
2014-	41	Preparation of Highly Anisotropic Cobalt Ferrite/Silica Microellipsoids Using an External Magnetic Field	<u>S. Abramson*</u> , <u>V. Dupuis</u> , <u>S. Neveu</u> , <u>P. Beaunier</u> , <u>D. Montero</u>	Langmuir	30	30	9190-9200
2014-	42	Tuning the shape and size of hybrid gold nanoparticles by porphyrins using seed-mediated synthesis	<u>J. Spadavecchia*</u> , <u>S. Casale</u> , <u>J. Landoulsi</u> , <u>C.-M. Pradier</u>	Chemical Physics Letters	609		134-141
2014-	43	Insights into the influence of the Ag loading on Al ₂ O ₃ in the H ₂ -assisted C ₃ H ₆ -SCR of NO _x	<u>T. Chaieb</u> , <u>L. Delannoy</u> , <u>G. Costentin</u> , <u>C. Louis</u> , <u>S. Casale</u> , <u>R.L. Chantry</u> , <u>Z.Y. Li</u> , <u>C. Thomas*</u>	Applied Catalysis B-Environmental	156		192-201
2014-	44	Oxidation of carbon black, propene and toluene on highly reducible Co/SBA-15 catalysts	<u>N. El Hassan*</u> , <u>S. Aouad</u> , <u>S. Casale</u> , <u>H. El Zakhem</u> , <u>H. El Nakat</u>	Comptes Rendus Chimie	17	9	913-919
2014-	45	Introduction of Co into the Vacant T-Atom Sites of SiBEA Zeolite as Isolated Mononuclear Co Species	<u>R. Baran</u> , <u>T. Onfroy</u> , <u>S. Casale</u> , <u>S. Dzwigaj*</u>	Journal of Physical Chemistry C	118	35	20445-20451
2014-	46	Mn-analime: Synthesis, characterization and application to cyclohexene oxidation	<u>A. Bejar</u> , <u>S. Ben Chaabene</u> , <u>M. Jaber</u> , <u>J.-F. Lambert</u> , <u>L. Bergaoui*</u>	Microporous and Mesoporous Materials	196		158-164
2014-	47	Direct grafting of ethylene sulfide onto silicic acid magadiite	<u>MM. de Oliveira</u> , <u>MM. Fernandes</u> , <u>MG. Fonseca*</u> , <u>EC. da Silva Filho</u> , <u>AG. de Souza</u> , <u>F. Gaslain</u> , <u>M. Jaber</u>	Microporous and Mesoporous Materials	196		292-299
2014-	48	Walking peptide on Au(110) surface: Origin and nature of interfacial process	<u>V. Humblot*</u> , <u>A. Tejada</u> , <u>J. Landoulsi</u> , <u>A. Vallee</u> , <u>A. Naitabdi</u> , <u>A. Taleb</u> , <u>C.-M. Pradier</u>	Surface Science	628		21-29
2014-	49	Surface plasmon resonance: signal amplification using colloidal gold nanoparticles for enhanced sensitivity	<u>S. Szunerits*</u> , <u>J. Spadavecchia</u> , <u>R. Boukherroub</u>	Reviews in Analytical Chemistry	33	3	153-164
2014-	50	Rational design of a CO ₂ -resistant toluene hydrogenation catalyst based on FT-IR spectroscopy studies	<u>J. Scalbert</u> , <u>C. Daniel</u> , <u>Y. Schuurman</u> , <u>C. Thomas</u> , <u>FC. Meunier*</u>	Journal of Catalysis	318		61-66
2014-	51	Room-Temperature Synthesis of Iron-Doped Anatase TiO ₂ for Lithium-Ion Batteries and Photocatalysis	<u>C. Andriamiadamanana</u> , <u>C. Laberty-Robert</u> , <u>MT. Sougrati</u> , <u>S. Casale</u> , <u>C. Davoisne</u> , <u>S. Patra</u> , <u>F. Sauvage*</u>	Inorganic Chemistry	53	19	10129-10139
2014-	52	Heterogeneous catalyst preparation in ionic liquids: Titania supported gold nanoparticles	<u>C. Oumahi</u> , <u>J. Lombard</u> , <u>S. Casale</u> , <u>C. Calers</u> , <u>L. Delannoy</u> , <u>C. Louis</u> , <u>X. Carrier*</u>	Catalysis Today	235		58-71
2014-	53	The influence of the preparation procedures on the catalytic activity of Fe-BEA zeolites in SCR of NO with ammonia and N ₂ O decomposition	<u>P. Boron</u> , <u>L. Chmielarz*</u> , <u>J. Gurgul*</u> , <u>K. Latka</u> , <u>B. Gil</u> , <u>J.-M. Krafft</u> , <u>S. Dzwigaj*</u>	Catalysis Today	235		210-225
2014-	54	In-situ monitoring of transition metal complex adsorption on oxide surfaces during the first stages of supported metal catalyst preparation	<u>J. Blanchard*</u> , <u>A. Hervier</u> , <u>G. Costentin</u> , <u>J. Regalbuto</u> , <u>C. Louis</u> , <u>S. Boujday*</u>	Catalysis Today	235		245-249
2014-	55	Influence of organic additives on the properties of impregnation solutions and on nickel oxide particle size for Ni/Al ₂ O ₃ catalysts	<u>F. Bentaleb</u> , <u>M. Che</u> , <u>AC. Dubreuil</u> , <u>C. Thomazeau</u> , <u>E. Marceau*</u>	Catalysis Today	235		250-255
2014-	56	Cu-modified hydroxy-apatite as catalyst for Glaser-Hay C-C homo- coupling reaction of terminal alkynes	<u>B. Maaten</u> , <u>J. Moussa</u> , <u>C. Desmarests</u> , <u>P. Gredin</u> , <u>P. Beaunier</u> , <u>T. Kanger</u> , <u>K. Tonsuaadu</u> , <u>D. Villemain</u> , <u>M. Gruselle*</u>	Journal of Molecular Catalysis A-Chemical	393		112-116

2014-	57	How Surface Hydroxyls Enhance MgO Reactivity in Basic Catalysis: The Case of Methylbutynol Conversion	H. Petitjean*, H. Guesmi*, H. Lauron-Pernot, G. Costentin, D. Loffreda, P. Sautet, F. Delbecq	ACS Catalysis	4	1	4004-4014
2014-	58	Selectivities in Adsorption and Peptidic Condensation in the (Arginine and Glutamic Acid)/Montmorillonite Clay System	M. Jaber*, T. Georgelin, H. Bazzi, F. Costa-Torro, J.-F. Lambert*, G. Bolbach, G. Clodic	Journal of Physical Chemistry C	118	44	25447-25455
2014-	59	New Insights into Surface-Enhanced Raman Spectroscopy Label-Free Detection of DNA on Ag degrees/TiO ₂ Substrate	L.J. He, M. Langlet, P. Bouvier, C. Calers, C.-M. Pradier, V. Stambouli*	Journal of Physical Chemistry C	118	44	25658-25670
2014-	60	Enzymatic Fuel Cells Solely Supplied with Unpurified Cellobiose Dehydrogenase and Laccase in Microorganism's Culture Supernatants	S. Sane, C. Heilemann, P. Salavei, S. Rubenwolf, C. Jolival, C. Madzak, R. Zengerle, P.J. Nielsen, S. Kerzenmacher*	Chemelectrochem	1	11	1886-1894
2014-	61	Oxidation and Surface Segregation Behavior of a Pt-Pd-Rh Alloy Catalyst	PAJ. Bagot*, K. Kruska, D. Haley, X. Carrier, E. Marceau, MP. Moody, GDW. Smith	Journal of Physical Chemistry C	118	45	26130-26138
2014-	62	Highly Sensitive Detection of DNA Hybridization on Commercialized Graphene-Coated Surface Plasmon Resonance Interfaces	O. Zagorodko, J. Spadavecchia, AY. Yanguas Serrano, I. Larroulet, A. Pesquera, A. Zurutuza, R. Boukherroub, S. Szunerits*	Analytical Chemistry	86	22	11211-11216
2014-	63	Catalytic conversion of trichloroethylene on nickel containing beta zeolites into value added products	A. Srebowata*, R. Baran, D. Lisovytskiy, II. Kaminska, S. Dzwigaj*	Catalysis Communications	57		107-110
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2014-	65	The genesis of a heterogeneous catalyst: in situ observation of a transition metal complex adsorbing onto an oxide surface in solution	A. Hervier, J. Blanchard, G. Costentin, J. Regalbuto, C. Louis, S. Boujday*	Chemical Communications	50	19	2409-2411

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2015-	47	Mechanistic Investigation of Isopropanol Conversion on Alumina Catalysts: Location of Active Sites for Alkene/Ether Production	<u>K. Larmier*</u> , C. Chizallet*, N. Cadran, S. Maury, J. Abboud, <u>A.-F. Lamic-Humblot</u> , <u>E. Marceau*</u> , <u>H. Lauron-Pernot</u>	ACS Catalysis	5	7	4423-4437
2015-	48	The remarkable effect of the preparation procedure on the catalytic activity of CoBEA zeolites in the Fischer-Tropsch synthesis	KA. Chalupka*, <u>S. Casale</u> , E. Zurawicz, J. Rynkowski, <u>S. Dzwigaj*</u>	Microporous and Mesoporous Materials	211		9-18
2015-	49	In vitro synthesis of amorphous Mg-, Ca-, Sr- and Ba-carbonates: What do we learn about intracellular calcification by cyanobacteria?	<u>N. Cam</u> , <u>T. Georgelin</u> , M. Jaber, <u>JF. Lambert</u> , <u>K. Benzerara*</u>	Geochimica et Cosmochimica acta	161		36-49
2015-	50	Revealing the Interplay between Adsorbed Molecular Layers and Gold Nanoparticles by Linear and Nonlinear Optical Properties	L. Dalstein, <u>M. Ben Haddada</u> , G. Barbillon, C. Humbert, A. Tadjeddine, <u>S. Boujday</u> , B. Busson*	Journal of Physical Chemistry C	119	30	17146-17155
2015-	51	Catalytic hydrogen-assisted dehydrochlorination of 1,2-dichloroethane over cobalt-containing beta zeolite	A. Srebowata, <u>R. Baran</u> , I. Kaminska, <u>T. Onfroy</u> , <u>J.-M. Krafft</u> , <u>S. Dzwigaj*</u>	Catalysis Today	251		73-80
2015-	52	A new method for elaborating mesoporous SiO ₂ /montmorillonite composite materials	T. Abou Khalil*, S. Ben Chaabene, <u>S. Boujday</u> , <u>J. Blanchard</u> , L. Bergaoui	Journal of Sol-Gel Science and Technology	75	2	436-446
2015-	53	Quantification of aldehyde terminated heparin by SEC-MALLS-UV for the surface functionalization of polycaprolactone biomaterials	SA. Irvine*, T. Steele, R. Bhuthalingam, M. Li, <u>S. Boujday</u> , M. Prawirasatya, KG. Neoh, FYC. Boey, SS. Venkatraman	Colloids and Surfaces B-Biointerfaces	132		253-263
2015-	54	Efficiency of Polyoxometalate-Based Mesoporous Hybrids as Covalently Anchored Catalysts	<u>F. Bentaleb</u> , O. Makrygenni, D. Brouri, CC. Diogo, A. Mehdi, A. Proust, <u>F. Launay*</u> , R. Villanneau*	Inorganic Chemistry	54	15	7607-7616
2015-	55	Biocidal Properties of a Glycosylated Surface: Sphorolipids on Au(111)	<u>C. Valotteau</u> , <u>C. Calers</u> , <u>S. Casale</u> , J. Berton, CV. Stevens, F. Babonneau, <u>C.-M. Pradier</u> , <u>V. Humblot*</u> , N. Baccile*	ACS Applied Materials & Interfaces	7	32	18086-18095
2015-	56	Surface segregation in AuPd alloys: Ab initio analysis of the driving forces	J. Creuze*, <u>H. Guesmi</u> , C. Mottet, <u>B. Zhu</u> , B. Legrand	Surface Science	639		48-53
2015-	57	Enhanced Vibrational Spectroscopies as Tools for Small Molecule Biosensing	<u>S. Boujday</u> , ML. de la Chapelle, J. Srajer, W. Knoll*	Sensors	15	9	21239-21264
2015-	58	Ag-Ni bimetallic SiBEA zeolite as an efficient catalyst of hydrodechlorination of 1,2-dichloroethane towards ethylene	A. Srebowata, I. Zielinska, <u>R. Baran</u> , G. Slowik, <u>S. Dzwigaj*</u>	Catalysis Communications	69		154-160
2015-	59	Preface to the special issue "Nanocatalysis science: Preparation, characterization and reactivity", honoring Jacques C. Vedrine	I. Fechete*, M. Guisnet, <u>C.-M. Pradier</u> , N. Essayem, N. Hoelderich, F. Garin	Applied Catalysis A-General	504		1-3
2015-	60	Synergetic effect in bimetallic Au-Ag/TiO ₂ catalysts for CO oxidation: New insights from in situ characterization	A. Sandoval, <u>L. Delannoy</u> , <u>C. Méthivier</u> , <u>C. Louis</u> , R. Zanella*	Applied Catalysis A-General	504		287-294
2015-	61	Passivation behaviour of stainless steel (UNS N-08028) in industrial or simplified phosphoric acid solutions at different temperatures	M. Ben Salah, R. Sabot, P. Refait, <u>I. Liascukiene</u> , <u>C. Methivier</u> , <u>J. Landoulsi</u> , L. Dhoubi, M. Jeannin*	Corrosion Science	99		320-332
2015-	62	Phosphorous Modified ZSM-5 Zeolites: Impact on Methanol Conversion into Olefins	P. Losch, <u>G. Laugel</u> , JS. Martinez-Espin, S. Chavan, U. Olsbye, B. Louis*	Topics in Catalysis	58	14-17	826-832

2015-	63	An Experimental and Theoretical Approach to Investigate the Effect of Chain Length on Amino-thiol Adsorption and Assembly on Gold	<u>EE. Bedford</u> , <u>V. Humblot</u> , <u>C. Methivier</u> , <u>CM. Pradier</u> , <u>F. Gu</u> , <u>F. Tielens*</u> , <u>S. Boujday*</u>	Chemistry-A European Journal	21	41	14555-14561
2015-	64	Discrimination of Surface and Bulk Structure of Crystalline Hydroxyapatite Nanoparticles by NMR	<u>M. Ben Osman</u> , <u>S. Diallo-Garcia</u> , <u>V. Herledan</u> , <u>D. Brouri</u> , <u>T. Yoshioka</u> , <u>J. Kubo</u> , <u>Y. Millot*</u> , <u>G. Costentin*</u>	Journal of Physical Chemistry C	119	40	23008-23020
2015-	65	Surface Science Approaches for the Preparation of Alumina-Supported Hydrotreating Catalysts	<u>C. Bara</u> , <u>E. Devers</u> , <u>M. Digne</u> , <u>A.-F. Lamic-Humblot</u> , <u>GD. Pirngruber</u> , <u>X. Carrier*</u>	Chemcatchem	7	21	3422-3440
2015-	66	Dispersion of colloidal TiO ₂ nanoparticles on mesoporous materials targeting photocatalysis applications	<u>C. Salameh</u> , <u>JP. Nogier</u> , <u>F. Launay</u> , <u>M. Boutros*</u>	Catalysis Today	257		35-40
2015-	67	The catalytic activity of Fe-containing SiBEA zeolites in Fischer-Tropsch synthesis	<u>KA. Chalupka*</u> , <u>W. Maniukiewicz</u> , <u>P. Mierczynski</u> , <u>T. Maniecki</u> , <u>J. Rynkowski</u> , <u>S. Dzwigaj*</u>	Catalysis Today	257		117-121
2015-	68	Functional properties of Sm ₂ NiMnO ₆ multiferroic ceramics prepared by spark plasma sintering	<u>F. Gheorghiu*</u> , <u>L. Curecheriu</u> , <u>I. Lisiecki</u> , <u>P. Beaunier</u> , <u>S. Feraru</u> , <u>MN. Palamaru</u> , <u>V. Musteata</u> , <u>N. Lupu</u> , <u>L. Mitoseriu*</u>	Journal of Alloys and Compounds	649		151-158
2015-	69	Co ₂ +@Mesoporous Silica Monoliths: Tailor-Made Nanoreactors for Confined Soft Chemistry	<u>E. Delahaye</u> , <u>R. Moulin</u> , <u>M. Aouadi</u> , <u>V. Trannoy</u> , <u>P. Beaunier</u> , <u>G. Fornasieri</u> , <u>A. Bleuzen*</u>	Chemistry-A European Journal	21	47	16906-16916
2015-	70	Oxidation of laccase for improved cathode biofuel cell performances	<u>MH. Zheng</u> , <u>S. Griveau</u> , <u>C. Dupont-Gillain</u> , <u>MJ. Genet</u> , <u>C. Jolival*</u>	Bioelectrochemistry	106		77-87
2015-	71	Effect of Co content on the catalytic activity of CoSiBEA zeolites in N ₂ O decomposition and SCR of NO with ammonia	<u>P. Boron</u> , <u>L. Chmielarz</u> , <u>S. Casale</u> , <u>C. Calers</u> , <u>J.-M. Krafft</u> , <u>S. Dzwigaj*</u>	Catalysis Today	258		507-517
2015-	72	Acid-base characterization of heterogeneous catalysts: an up-to-date overview	<u>J.-C. Vedrine*</u>	Research on Chemical Intermediates	41	12	9387-9423
2015-	73	Adsorption and self-assembly of bio-organic molecules at model surfaces: A route towards increased complexity	<u>D. Costa</u> , <u>C.-M. Pradier</u> , <u>F. Tielens</u> , <u>L. Savio</u>	Surface Science Report	70	4	449-553
2015-	74	The amphiphilic hydrophobin Vmh2 plays a key role in one step synthesis of hybrid protein-gold nanoparticles	<u>J. Politi</u> , <u>L. De Stefano*</u> , <u>S. Longobardi</u> , <u>P. Giardina</u> , <u>I. Rea</u> , <u>C. Methivier</u> , <u>C.-M. Pradier</u> , <u>S. Casale</u> , <u>J. Spadavecchia</u>	colloids AND Surfaces B-Biointerfaces	136		214-221
2015-	75	Co-grafting of antiadhesive and antimicrobial agents onto UV-micropatterned copper surfaces	<u>J. Peyre</u> , <u>V. Humblot</u> , <u>C. Méthivier</u> , <u>J.-M. Berjeaud</u> , <u>C.-M. Pradier</u>	Colloids and Surfaces B-Biointerfaces	136		1120-1130
2015-	76	Enhancing the magnetic anisotropy of maghemite nanoparticles via the surface coordination of molecular complexes	<u>Y. Prado*</u> , <u>N. Daffe</u> , <u>A. Michel</u> , <u>T. Georgelin</u> , <u>N. Yaacoub</u> , <u>JM. Greneche</u> , <u>F. Choueikani</u> , <u>E. Otero</u> , <u>P. Ohresser</u> , <u>MA. Arrio</u> , <u>C. Cartier-dit-Moulin</u> , <u>P. Saintavit</u> , <u>B. Fleury</u> , <u>V. Dupuis</u> , <u>L. Lisnard*</u> , <u>J. Fresnais*</u>	Nature Communications	6		10139
2015-	77	A reusable optical biosensor for the ultrasensitive and selective detection of unamplified human genomic DNA with gold nanostars	<u>S. Mariani</u> , <u>S. Scarano</u> , <u>J. Spadavecchia</u> , <u>M. Minunni*</u>	Biosensors & Bioelectronics	74		981-988
2015-	78	A Brown Mesoporous TiO _{2-x} /MCF Composite with an Extremely High Quantum Yield of Solar Energy Photocatalysis for H ₂ Evolution	<u>MY. Xing</u> , <u>JL. Zhang*</u> , <u>B. Qiu</u> , <u>B. Tian</u> , <u>M. Anpo</u> , <u>M. Che</u>	Small	11	16	1920-1929
2015-	79	Aqueous-phase preparation of model HDS catalysts on planar alumina substrates : support effect on Mo adsorption and sulfidation	<u>C. Bara</u> , <u>L. Plais</u> , <u>K. Larmier</u> , <u>E. Devers</u> , <u>M. Digne</u> , <u>A.-F. Lamic-Humblot</u> , <u>GD. Pirngruber</u> , <u>X. Carrier*</u>	Journal of the American Chemical Society	137		15915-15928

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2016-	1	Experimental and theoretical evidences of the influence of hydrogen bonding on the catalytic activity of a series of	<u>CC Rocha</u> , <u>T. Onfroy</u> , <u>J. Pilme</u> , <u>A. Denicourt-Nowicki</u> , <u>A. Roucoux</u> , <u>F. Launay*</u>	Journal of Catalysis	333		29-39
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		2-hydroxy substituted quaternary ammonium salts in the styrene oxide/CO ₂ coupling reaction					
2016-	2	Photoelectrochemical properties of nanocrystalline ZnS discrete versus continuous coating of ZnO nanorods prepared by electrodeposition	A. Brayek, S. Chaguetmi, M. Ghoul, I. Ben Assaker, A. Souissi, L. Mouton, <u>P. Beaunier</u> , S. Nowak, F. Mammeri, R. Chtourou, S. Ammar*	RSC Advances	6	37	30919-30927
2016-	3	Kinetic effects in dehydration, rehydration, and isotopic exchange of bacterial photosynthetic reaction centers	M. Malferriari, F. Francia, <u>A. Mezzetti</u> *, G. Venturoli	Biomedical Spectroscopy and Imaging	5	2	185-196
2016-	4	Conversion of syngas-derived C ₂ + mixed oxygenates to C ₃ -C ₅ olefins over Zn _x Zr _y O _z mixed oxide catalysts	C. Smith, VL. Dagle, M. Flake, KK. Ramasamy, L. Kovarik, M. Bowden, <u>T. Onfroy</u> , RA. Dagle*	Catalysis Science & Technology	6	7	2325-2336
2016-	5	Monitoring by in situ neutron diffraction of simultaneous dehydration and Ni ²⁺ mobility in partially exchanged NaY zeolites	F. Porcher, JL. Paillaud, L. Gaberova, G. Andre, <u>S. Casale</u> , <u>P. Massiani</u> *	New Journal of Chemistry	40	5	4228-4235
2016-	6	Smartphone spectrometer for colorimetric biosensing	Y. Wang, X. Liu, P. Chen, NT. Tran, JL. Zhang, WS Chia, <u>S. Boujday</u> , B. Liedberg*	Analyst	141	11	3233-3228
2016-	7	Factors affecting the long-term stability of mesoporous nickel-based catalysts in combined steam and dry reforming of methane	<u>K. Jabbour</u> , N. El Hassan, <u>A. Davidson</u> , <u>S. Casale</u> , <u>P. Massiani</u> *	Catalysis Science & Technology	6	12	4616-4631
2016-	8	Fluorescent core-shell nanoparticles and nanocapsules using comb-like macromolecular RAFT agents: synthesis and functionalization thereof	C. Grazon, J. Rieger*, <u>P. Beaunier</u> , R. Meallet-Renault, G. Clavier	Polymer Chemistry	7	25	4272-4283
2016-	9	An expeditious synthesis of early transition metal carbide nanoparticles on graphitic carbons	D. Ressnig, S. Moldovan, O. Ersen, <u>P. Beaunier</u> , D. Portehault, C. Sanchez, S. Carenco*	Chemical Communications	52	61	9546-9549
2016-	10	Methane dry reforming over hydrotalcite-derived Ni-Mg-Al mixed oxides: the influence of Ni content on catalytic activity, selectivity and stability	R. Debek, M. Motak, D. Duraczyska, <u>F. Launay</u> , ME. Galvez*, T. Grzybek, P. Da Costa	Catalysis Science & Technology	6	17	6705-6715
2016-	11	Selective gas phase hydrogenation of nitroarenes over Mo ₂ C-supported Au-Pd	X. Wang, N. Perret, <u>L. Delannoy</u> , <u>C. Louis</u> , MA. Keane*	Catalysis Science & Technology	6	18	6932-6941
2016-	12	Investigating the DMPO-formate spin trapping method for the study of paper iron gall ink corrosion	<u>A. Gimat</u> , <u>V. Kasneryk</u> , AL. Dupont, S. Paris, <u>F. Averseng</u> , <u>J. Fournier</u> , <u>P. Massiani</u> , <u>V. Rouchon</u> *	New Journal of Chemistry	40	11	9098-9110
2016-	13	Highly active and stable Ni/SBA-15 catalysts prepared by a "two solvents" method for dry reforming of methane	MN. Kaydouh, N.El Hassan*, <u>A. Davidson</u> , <u>S. Casale</u> , H. El Zakhem, <u>P. Massiani</u> *	Microporous and Mesoporous Materials	220		99-109
2016-	14	Real-time colorimetric hydration sensor for sport activities	Y. Zhou, H. Han, HPP. Naw, AV. Lammy, CH. Goh, <u>S. Boujday</u> *, TWJ. Steele*	Materials & Design	90		1181-1185
2016-	15	Characterization of Phosphate Species on Hydrated Anatase TiO ₂ Surfaces	F. Tielens, C. Gervais, <u>G. Deroy</u> , M. Jaber, L. Stievano, CC. Diogo, <u>J.-F. Lambert</u>	Langmuir	32	4	997-1008
2016-	16	Static and dynamic electronic characterization of organic monolayers grafted on a silicon surface	O. Pluchery*, Y. Zhang, R. Benbalagh, L. Caillard, JJ. Gallet, F. Bournel, <u>A.-F.Lamic-Humblot</u> , M. Salmeron, YJ. Chabal, F. Rochet	Physical Chemistry Chemical Physics	18	5	3675-3684
2016-	17	Influence of Coadsorbed Water and Alcohol Molecules on Isopropyl Alcohol Dehydration on gamma-Alumina: Multiscale Modeling of Experimental Kinetic Profiles	<u>K. Larmier</u> *, A. Nicolle, C. Chizallet, N. Cadran, S. Maury, <u>A.-F. Lamic-Humblot</u> , <u>E. Marceau</u> , <u>H. Lauron-Pernot</u> *	ACS Catalysis	6	3	1905-1920
2016-	18	Biom mineralization Patterns of Intracellular Carbonatogenesis in Cyanobacteria: Molecular Hypotheses	J. Li, IM. Oliver, <u>N. Cam</u> , T. Boudier, M. Blondeau, E. Leroy, J. Cosmidis, F.Skouri-Panet, JM. Guigner, C. Ferard, M. Poinot, D. Moreira, P. Lopez-Garcia, C. Cassier-Chauvat, F; Chauvat, K. Benzerara*	Minerals	6	1	UNSP10
2016-	19	High selectivity of TaSiBEA zeolite catalysts in 1,3-butadiene production from ethanol and acetaldehyde mixture	PI. Kyriienko, OV. Larina, SO. Soloviev, SM. Orlyk, <u>S. Dzwigaj</u> *	Catalysis Communications	77		123-126

2016-	20	Polyethylene glycol gold-nanoparticles: Facile nanostructuring of doxorubicin and its complex with DNA molecules for SERS detection	<u>J. Spadavecchia*</u> , R. Perumal, S. Casale, J.-M. Krafft, C. Methivier, C.-M. Pradier	Chemical Physics Letters	648		
2016-	21	Al-Mn-silicate nanobubbles phase as an intermediate in zeolite formation	A. Bejar, S. Ben Chaabene, M. Jaber, J.-F. Lambert, L. Bergaoui*	Applied Clay Science	123		202-209
2016-	22	Hierarchical Self-Assembly of Polyoxometalate-Based Hybrids Driven by Metal Coordination and Electrostatic Interactions: From Discrete Supramolecular Species to Dense Monodisperse Nanoparticles	G. Izzet*, B. Abecassis, D. Brouri, M. Piot, B. Matt, SA. Serapian, C. Bo, A. Proust	Journal of The American Chemical Society	138	15	5093-5099
2016-	23	Characterization of zeolitic intraframework molybdenum sites	G. Skara, R. Baran, T. Onfroy, F. De Proft, S. Dzwigaj, F. Tielens*	Microporous and Mesoporous Materials	225		355-364
2016-	24	Insights into the accessibility of Zr in Zr/SBA-15 mesoporous silica supports with increasing Zr loadings	M. Ogura, R. Guillet-Nicolas, D. Brouri, S. Casale, J. Blanchard, KA. Cychosz, M. Thommes, C. Thomas*	Microporous and Mesoporous Materials	225		440-449
2016-	25	Influence of the nature and environment of cobalt on the catalytic activity of Co-BEA zeolites in selective catalytic reduction of NO with ammonia	R. Baran, J.-M. Krafft, T. Onfroy, T. Grzybek, S. Dzwigaj*	Microporous and Mesoporous Material	225		515-523
2016-	26	Covalent immobilization of glucose oxidase on mesocellular silica foams: Characterization and stability towards temperature and organic solvents	N. Balistreri, D. Gaboriau, C. Jolivalt, F. Launay*	Journal of Molecular Catalysis B-Enzymatic	127		26-33
2016-	27	Incorporation of Mn into the vacant T-atom sites of a BEA zeolite as isolated, mononuclear Mn: FTIR, XPS, EPR and DR UV-Vis studies	R. Baran, L. Valentin, S. Dzwigaj*	Physical Chemistry Chemical Physic	18	17	12050-12057
2016-	28	Influence of partial dealumination of BEA zeolites on physicochemical and catalytic properties of AgAlSiBEA in H ₂ -promoted SCR of NO with ethanol	N. Popovych*, PI. Kyriienko, SO. Soloviev, SM. Orlyk, S. Dzwigaj*	Microporous and Mesoporous Materials	226		10-18
2016-	29	High activity of mononuclear copper present in the framework of CuSiBEA zeolites in the selective catalytic reduction of NO with NH ₃	R. Baran, T. Grzybek, T. Onfroy, S. Dzwigaj*	Microporous and Mesoporous Materials	226		104-109
2016-	30	Molecular Understanding of the Bulk Composition of Crystalline Nonstoichiometric Hydroxyapatites: Application to the Rationalization of Structure-Reactivity Relationships	M. Ben Osman, JM. Krafft, Y. Millot, F. Averseng, T. Yoshioka, J. Kubo, G. Costentin*	European Journal of Inorganic Chemistry		17	2709-2720
2016-	31	Nature of the active sites in CO oxidation on FeSiBEA zeolites	I. Kocemba, J. Rynkowski, J. Gurgul, RP. Socha, K. Latka, J.-M. Krafft, S. Dzwigaj*	Applied Catalysis A-General	519		16-26
2016-	32	Skeletal Au prepared from Au-Zr amorphous alloys with controlled atomic compositions and arrangement for active oxidation of benzyl alcohol	A. Nozaki, Y. Tanihara, Y. Kuwahara, T. Ohmichi, K. Mori, T. Nagase, HY. Yasuda, C. Calers, C. Louis, H. Yamashita	Journal of Materials Chemistry A	4	21	8458-8465
2016-	33	Enhancing low-temperature activity and durability of Pd-based diesel oxidation catalysts using ZrO ₂ supports	MY. Kim, EA. Kyriakidou, JS. Choi*, TJ. Toops, AJ. Binder, C. Thomas, JE. Parks, V. Schwartz, JH. Chen, DK. Hensley	Applied Catalysis B-Environmental	187		181-194
2016-	34	Low temperature dry reforming of methane on rhodium and cobalt based catalysts: Active phase stabilization by confinement in mesoporous SBA-15	N. El Hassan*, MN. Kaydough, H. Geagea, H. El Zein, K. Jabbour, S. Casale, H. El Zakhem, P. Massiani*	Applied Catalysis A-General	520		114-121
2016-	35	Low temperature dry methane reforming over Ce, Zr and CeZr promoted Ni-Mg-Al hydrotalcite-derived catalysts	R. Debek, ME. Galvez, F. Launay, M. Motak, T. Grzybek, P. Da Costa*	International Journal of Hydrogen Energy	41	27	11616-11623
2016-	36	Adsorption of Amino Acids and Peptides on Metal and Oxide Surfaces in Water Environment: A Synthetic and Prospective Review	D. Costa, L. Savio, C.-M. Pradier*	Journal of Physical Chemistry B	120	29	7039-7052

2016-	37	Nanostructure characterization of carbide-derived carbons by morphological analysis of transmission electron microscopy images combined with physisorption and Raman spectroscopy	M. Oschatz, P. Pre, S. Doerfler, W. Nickel, <u>P. Beaunier</u> , JN. Rouzaud, C. Fischer, E. Brunner, S. Kaskel*	Carbon	105		314-322
2016-	38	Effect of Ca-doping on microstructure and photocatalytic activity of ZnO nanoparticles synthesized by sol gel method	R. Slama*, J. El Ghoul, K. Omri, A. Houas, L. El Mir, <u>F. Launay</u>	Journal of Materials Science-Materials in Electronics	27	8	7939-7946
2016-	39	Application of Arrhenius law to DP and zero-span tensile strength measurements taken on iron gall ink impregnated papers: relevance of artificial ageing protocols	V. Rouchon*, O. Belhadj, M. Duranton, <u>A. Gimat</u> , <u>P. Massiani</u>	Applied Physics A-Materials Science & Processing	122	8	
2016-	40	Chemical Preparation of Supported Bimetallic Catalysts. Gold-Based Bimetallic, a Case Study	<u>C. Louis*</u>	Catalysts	6	8	110
2016-	41	Exploration of the preparation of Cu/TiO ₂ catalysts by deposition-precipitation with urea for selective hydrogenation of unsaturated hydrocarbons	<u>Z. Wang</u> , <u>D. Brouri</u> , <u>S. Casale</u> , <u>L. Delannoy</u> , <u>C. Louis*</u>	Journal of Catalysis	340		95-106
2016-	42	Effect of postsynthesis preparation procedure on the state of copper in CuSEA zeolites and its catalytic properties in SCR of NO with NH ₃	R. Baran, F. Averseng, D. Wierzbicki, K. Chalupka, <u>J.-M. Krafft</u> , T. Grzybek, <u>S. Dzwigaj*</u>	Applied Catalysis A-General	523		332-342
2016-	43	Synergetic effect of Ni and Au nanoparticles synthesized on titania particles for efficient photocatalytic hydrogen production	AL. Luna, E. Novoseltceva, E. Louarn, <u>P. Beaunier</u> , E. Kowalska, B. Ohtani, MA.Valenzuela, H. Remita*, C. Colbeau-Justin*	Applied Catalysis B-Environmental	191		18-28
2016-	44	Cation Migration and Structural Deformations upon Dehydration of Nickel-Exchanged NaY Zeolite: A Combined Neutron Diffraction and Monte Carlo Study	W. Louisfremea, JL. Paillaud, F. Porcher, E. Perrin, <u>T. Onfroy</u> , <u>P. Massiani*</u> , A. Boutin, B. Rotenberg	Journal of Physical Chemistry C	120	32	18115-18125
2016-	45	Effect of Fe on the activity of Au/FeO (x) -TiO ₂ catalysts for CO oxidation	M. Raphulu, T. Ntho, P. Gqogqa, J. Moma, L. Mokoena, P. Gary, M. Scurrrell, <u>L. Delannoy</u> , <u>C. Louis*</u>	Gold Bulletin	49	1-2	9-20
2016-	46	One-pot synthesis of reduced graphene oxide supported gold-based nanomaterials as robust nanocatalysts for glucose electrooxidation	S. Ghosh, Y. Holade, H. Remita, K. Servat, <u>P. Beaunier</u> , A. Hagege, K. Kokoh, TW. Napporn*	Electrochimica Acta	212		864-875
2016-	47	The controlled synthesis of metal-acid bifunctional catalysts: The effect of metal:acid ratio and metal-acid proximity in Pt silica-alumina catalysts for n-heptane isomerization	JE. Samad, <u>J. Blanchard</u> , <u>C. Sayag</u> , <u>C. Louis</u> , JR. Regalbuto*	Journal of Catalysis	342		203-212
2016-	48	The controlled synthesis of metal-acid bifunctional catalysts: Selective Pt deposition and nanoparticle synthesis on amorphous aluminosilicates	JE. Samad, <u>J. Blanchard</u> , <u>C. Sayag</u> , <u>C. Louis</u> , JR. Regalbuto*	Journal of Catalysis	342		213-225
2016-	49	Organic adlayer on inorganic materials: XPS analysis selectivity to cope with adventitious contamination	<u>J. Landoulsi*</u> , MJ. Genet, S. Fleith, Y. Toure, I. Liascukiene, <u>C. Méthivier</u> , PG. Rouxhet	Applied Surface Science	383		71-83
2016-	50	Syngas production via steam reforming of bioethanol over Ni-BEA catalysts: A BTL strategy	I. Rossetti*, M. Compagnoni, E. Finocchio, G. Ramis, A. Di Michele, A. Zucchini, <u>S. Dzwigaj</u>	International Journal of Hydrogen Energy	41	38	16878-16889
2016-	51	Thermal Behavior of d-Ribose Adsorbed on Silica: Effect of Inorganic Salt Coadsorption and Significance for Prebiotic Chemistry	<u>M. Akouche</u> , M. Jaber, EM. Zins, MC. Maurel, <u>J.-F. Lambert*</u> , T. Georgelin*	Chemistry-A European Journal	22	44	15834-15846
2016-	52	Control of calcium accessibility over hydroxyapatite by post-precipitation steps: influence on the catalytic reactivity toward alcohols	<u>M. Ben Osman</u> , <u>S. Diallo Garcia</u> , <u>J.-M. Krafft</u> , <u>C. Méthivier</u> , <u>J. Blanchard</u> , T. Yoshioka, J. Kubo, <u>G. Costentin*</u>	Physical Chemistry Chemical Physics	18	40	27837-27847
2016-	53	Fischer carbene mediated covalent grafting of a peptide nucleic acid on gold surfaces and IR optical detection of DNA hybridization with a transition metalcarbonyl label	P. Srivastava, M. Ghasemi, N. Ray, A. Sarkar, J. Kocabova, S. Lachmanova, M. Hromadova, <u>S.</u>	Applied Surface Science	385		47-55

			Boujday, S. Cauteruccio, P. Thakare, E. Licandro, C. Fosse, M. Salmain*					
2016-	54	Selective amino acid substitution reduces cytotoxicity of the antimicrobial peptide mastoparan	LN. Irazazabal, WF. Porto, SM. Ribeiro, <u>S. Casale</u> , <u>V. Humblot</u> , A. Ladram, OL. Franco*	Biochimica et Biophysica Acta-Biomembranes	1858	11	2699-2708	
2016-	55	Identification of the silver state in the framework of Ag-containing zeolite by XRD, FTIR, photoluminescence, Ag-109 NMR, EPR, DR UV-vis, TEM and XPS investigations	N. Popovych, P. Kyrienko, S. Soloviev, <u>R. Baran</u> , <u>Y. Millot</u> , <u>S. Dzwigaj</u> *	Physical Chemistry Chemical Physics	18	42	29458-29465	
2016-	56	Experimental evidence of NO SCR mechanism in the presence of the BEA zeolite with framework and extra-framework cobalt species	P. Boron, L. Chmielarz*, B. Gil, B. Marszalek, <u>S. Dzwigaj</u> *	Applied Catalysis B-Environmental	198		457-470	
2016-	57	Influence of the postsynthesis preparation procedure on catalytic behaviour of Ag-loaded BEA zeolites in the hydrodechlorination of 1,2-dichloroethane into value added products	A. Srebowska, <u>R. Baran</u> *, G. Slowik, D. Lisovytskiy, <u>S. Dzwigaj</u> *	Applied Catalysis B-Environmental	199		514-522	
2016-	58	Simple and specific grafting of antibacterial peptides on silicone catheters	C. Pinese, S. Jebors, C. Echaliier, P. Licznar-Fajardo, X. Garric, <u>V. Humblot</u> , <u>C. Calers</u> , J. Martinez, A. Mehdi*, G. Subra*	Advanced Helthcare Material	5	23	3067-3073	
2016-	59	Selective hydrogenation of 1,3-butadiene over bimetallic Au-Ni/TiO ₂ catalysts prepared by deposition-precipitation with urea	A. Aguilar-Tapia, <u>L. Delannoy</u> , <u>C. Louis</u> , C. W. Han, V. Ortalan, R. Zanella*	Journal of Catalysis	344		515-523	
2016-	60	Tuning the Growth Mode of 3D Silver Nanocrystal Superlattices by Triphenylphosphine	K. Ouhenia-Ouadahi, A. Andrieux-Ledier, J. Richardi, PA. Albouy, <u>P. Beaunier</u> , P. Sutter, E. Sutter, A. Courty*	Chemistry of Materials	28	12	4380-4389	
2016-	61	Unusual behaviour of Au/ZnO catalysts in selective hydrogenation of butadiene due to the formation of a AuZn nanoalloy	<u>S. Derrouiche</u> , <u>C. La Fontaine</u> , <u>G. Thrimurtulu</u> , <u>S. Casale</u> , <u>L. Delannoy</u> , <u>H. Lauron-Pernot</u> , <u>C. Louis</u> *	Catalysis Science & Technology	6	18	6794-6805	
2016-	62	Promoting Ag/Al ₂ O ₃ performance in low-temperature H ₂ -C ₃ H ₆ -SCR by thermal pretreatment of gamma-alumina in water	<u>T. Chaieb</u> , <u>L. Delannoy</u> , <u>C. Louis</u> , <u>C. Thomas</u> *	Catalysis Letters	146	12	2622-2629	
2016-	63	Surface-dependent sulfidation and orientation of MoS ₂ slabs on alumina-supported model hydrodesulfurization catalysts	<u>C. Bara</u> ; <u>A.-F. Lamic-Humblot</u> ; E. Fonda ; AS. Gay ; AL. Taleb ; A. Devers ; M. Digne ; G. Pirngruber ; <u>X. Carrier</u> *	Journal of Catalysis	344		591-605	
2016-	64	UHV Deposition of the Gly-Pro Dipeptide on Cu(110) by Sublimation or Electrospray Ionization	<u>C. Méthivier</u> , <u>V. Humblot</u> , <u>C.-M. Pradier</u> *	The Journal of Physical Chemistry C	120	48	27364-27368	
2016-	65	Protosalvinia revisited, new evidence for a plant land affinity	M. Quijada*, A. Riboulleau, P. Strother, W. Taylor, <u>A. Mezzetti</u> , G. J. M. Versteegh	Review of Paleobotany and Palynology	227		52-64	
2016-	66	QM/MM dynamics of a Peridinin model in triplet state in three prototypical solvents	D. Bovi, <u>A. Mezzetti</u> *, L. Guidoni*	Vibrational Spectroscopy	87		182-192	
2016-	67	Heterogeneous partial oxidation catalysis on metal oxides	<u>J.-C. Vedrine</u> *, I. Fechete*	Comptes Rendus Chimie	19	10	1203-1225	
2016-	68	Heterogeneous catalytic partial oxidation of lower alkanes (C ₁ -C ₆) on mixed metal oxides	<u>J.-C. Vedrine</u> *	Journal of Energie Chemistry	25		936-946	
2016-	69	Silicone dressings modified with bioactive hybrid peptides: a simple and specific method	C. Pinese, S. Jebors, P.-E. Stoebner, P. Verdié, L. Causse, X. Garric, H. Taillades, <u>V. Humblot</u> , J. Martinez, A. Mehdi, G. Subra*	Materials Today Chemistry	4		73-83	
2016-	70	New route toward nanosized crystalline metal borides with tuneable stoichiometry and variable morphologies	G. Gouget, <u>P. Beaunier</u> , D. Portehault*, C. Sanchez*	Faraday Discussions	191		511-525	
2016-	71	Effect of preparation protocol on the surface acidity of molybdenum catalysts supported on titania and zirconia	N. Lamine, A. Benadda*, A. Djadoun, A. Barama, <u>J. Blanchard</u>	Journal of Molecular Catalysis A : Chemical	425		157-165	

2016-	72	Tuning Surface Chirality of Adsorbed Gly-Pro Dipeptide/Cu(110) by Changing its Chemical Form via Electrospray Deposition	<u>C. Méthivier</u> , H. Crugel, D. Costa, <u>C.-M. Pradier</u> , <u>V. Humblot*</u>	Langmuir	32	51	13759-13763
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2017-	1	Influence of preparation procedure on catalytic activity of PdBEA zeolites in aqueous phase hydrodechlorination of 1,1,2-trichloroethene	II. Kaminska, D. Lisovytskiy, <u>S. Casale</u> , A. Srebowata, <u>S. Dzwigaj*</u>	Microporous and Mesoporous Materials	237		65-73
2017-	2	Structural study of radiolytic catalysts Ni-Ce/Al ₂ O ₃ and Ni-Pt/Al ₂ O ₃	F. Seridi*, S. Chettibi, N. Keghouche, <u>P. Beaunier</u> , J. Belloni	Radiation Physics and Chemistry	130		76-84
2017-	3	Iron(III) Oxide Nanoparticles as Catalysts for the Formation of Linear Glycine Peptides	<u>T. Georgelin*</u> , <u>M. Akouche</u> , M. Jaber, Y. Sakhno, L. Matheron, <u>F. Fournier</u> , <u>C. Méthivier</u> , G. Martra, <u>J.-F. Lambert*</u>	European Journal of Inorganic Chemistry		1	198-211
2017-	4	Dephosphatation under UV light of water by Ti-PILC with activation by secondary species (La, Se, and Rb)	S. Barama*, <u>A. Davidson*</u> , A. Barama, H. Boukhrouf, <u>S. Casale</u> , <u>C. Calers</u> , <u>D. Brouri</u> , <u>C. Domingos</u> , A. Djadoun	Comptes Rendus Chimie	20	1	7-19
2017-	5	Acidity versus metal-induced Lewis acidity in zeolites for Friedel-Crafts acylation	C. Bernardon, M. Ben Osman*, <u>G. Laugel</u> , L. Louis, P. Pale	Comptes Rendus Chimie	20	1	20-29
2017-	6	Isopropanol Dehydration on Amorphous Silica-Alumina: Synergy of Bronsted and Lewis Acidities at Pseudo-Bridging Silanols	<u>K. Larmier*</u> , C. Chizallet*, S. Maury, N. Cadran, J. Abboud, <u>A.-F. Lamic-Humblot</u> , <u>E. Marceau</u> , <u>H. Lauron-Pernot</u>	Angewandte Chemie-International Edition	56	1	230-234
2017-	7	Ordered mesoporous "one-pot" synthesized Ni-Mg(Ca)-Al ₂ O ₃ as effective and remarkably stable catalysts for combined steam and dry reforming of methane (CSDRM)	K. Jabbour, <u>P. Massiani*</u> , A. Davidson, <u>S. Casale</u> , N. El Hassan	Applied Catalysis B-Environmental	201		527-542
2017-	8	Time-resolved infrared spectroscopy in the study of photosynthetic systems	<u>A. Mezzetti*</u> , W. Leibl	Photosynthesis Research	131	2	121-144
2017-	9	Electronic structure investigation of biphenylene films	<u>R. Totani*</u> , C. Grazioli, T. Zhang, I. Bidermane, J. Luder, M. de Simone, M. Coreno, B. Brena, L. Lozzi, C. Puglia	Journal Of Chemical Physics	146	5	N° 054705
2017-	10	Production of Laccase by Recombinant Yarrowia lipolytica from Molasses: Bioprocess Development Using Statistical Modeling and Increase Productivity in Shake-Flask and Bioreactor Cultures	F. Darvishi*, M. Moradi, C. Madzak, <u>C. Jolivalt</u>	Applied Biochemistry And Biotechnology	181	3	1228-1239
2017-	11	Crystalline Molybdenum Oxide Thin-Films for Application as Interfacial Layers in Optoelectronic Devices	ALF. Cauduro*, R. Dos Reis, G. Chen, AK. Schmid, <u>C. Méthivier</u> , HG. Rubahn, L. Bossard-Giannesini, H. Crugel, N. Witkowski, M. Madsen*	ACS Applied Materials & Interfaces	9	8	7717-7724
2017-	12	Novel non-noble bimetallic Cu-Zn/TiO ₂ catalysts for selective hydrogenation of butadiene	<u>Z. Wang</u> , G. Wang, <u>C. Louis</u> , <u>L. Delannoy*</u>	Journal of Catalysis	347		185-196
2017-	13	Ethanol Conversion into 1,3-Butadiene by the Lebedev Method over MTaSiBEA Zeolites (M = Ag, Cu, Zn)	PI. Kyriienko*, OV. Larina, SO. Soloviev, SM. Orlyk, <u>C. Calers</u> , <u>S. Dzwigaj*</u>	ACS Sustainable Chemistry & Engineering	5	3	2075-2083
2017-	14	Ordered Mesoporous Silica Monoliths as a Versatile Platform for the Study of Magnetic and Photomagnetic Prussian Blue Analogue Nanoparticles	R. Moulin, E. Delahaye, A. Bordage, E. Fonda, JP. Baltaze, <u>P. Beaunier</u> , E. Riviere, G. Fornasieri, A. Bleuzen*	European Journal of Inorganic Chemistry		10	1303-1313
2017-	15	Hybrid organic-inorganic materials based on hydroxyapatite structure	SB. Moussa, H. Bachoua, M. Gruselle*, <u>P. Beaunier</u> , A. Flambard, B. Badraoui	Journal of Solid State Chemistry	248		171-177
2017-	16	Sulfamide chemistry applied to the functionalization of self-assembled monolayers on gold surfaces	L. Pantaine, <u>V. Humblot</u> , J. Vigneron, V. Coeffard*, A. Vallee*	Beilstein Journal of Organic Chemistry	13		648-658

2017-	17	Sol-Gel Processing of Metal-Organic Frameworks	K. Sumida, K. Liang, <u>J. Reboul</u> , IA. Ibarra, S. Furukawa*, P. Falcaro*	Chemistry of Materials	29	7	2626-2645
2017-	18	Incorporation of vanadium into the framework of hydroxyapatites: importance of the vanadium content and pH conditions during the precipitation step	<u>S. Petit</u> , T. Gode, C. Thomas, S. Dzwigaj, Y. Millot, D. Brouri, J.-M. Krafft, G. Rousse, C. Laberty-Robert, <u>G. Costentin*</u>	Physical Chemistry Chemical Physics	19	14	9630-9640
2017-	19	Influence of acid-base properties of Mg-based catalysts on transesterification: role of magnesium silicate hydrate formation	D. Cornu, L. Lin, M.-M. Daou, M. Jaber, <u>JM. Krafft</u> , V. Herledan, G. Laugel, Y. Millot, H. Lauron-Pernot*	Catalysis Science & Technology	7	8	1701-1712
2017-	20	Spatially controlled positioning of coordination polymer nanoparticles onto heterogeneous nanostructured surfaces	V. Trannoy, M. Faustini, D. Grosso, F. Brisset, <u>P. Beaunier</u> , E. Riviere, M. Putero, A. Bleuzen*	Nanoscale	9	16	5234-5243
2017-	21	The impact of the hydrodechlorination process on the physicochemical properties of bimetallic Ag-CuBeta zeolite catalysts	A. Srebowata, Il. Kaminska, S. Casale, D. Brouri, C. Calers, S. Dzwigaj*	Microporous and Mesoporous Materials	243		56-64
2017-	22	Lipid Layers on Nanoscale Surface Topography: Stability and Effect on Protein Adsorption	<u>I. Liascukiene</u> , K. El Kirat, M. Beauvais, SJ. Asadauskas, J.-F. Lambert, J. Landoulsi*	Langmuir	33	18	4414-4425
2017-	23	Investigation of the collapse of bubbles after the impact of a piston on a liquid free surface	M.-M. Daou, E. Igalada, H. Dutilleul, J.-M. Citerne, J. Rodriguez, S. Zaleski, D. Fuster*	Aiche Journal	63	6	2483-2495
2017-	24	Influence of the nature and environment of manganese in Mn-BEA zeolites on NO conversion in selective catalytic reduction with ammonia	R. Baran, <u>L. Valentin</u> , <u>JM. Krafft</u> , T. Grzybek, P. Glatzel, <u>S. Dzwigaj*</u>	Physical Chemistry Chemical Physics	21		13553-13561
2017-	25	Mechanical properties of nanostructured films with an ultralow volume fraction of hard phase	M. Chenal, C. Véchambre, J.-M. Chenal, L. Chazeau, <u>V. Humblot</u> , L. Bouteiller, C. Creton, J. Rieger*	Polymer	109		187-196
2017-	26	Insight into the Mechanism of Action of Temporin-SHa, a New Broad-Spectrum Antiparasitic and Antibacterial Agent.	Z. Raja, S. André, F. Abbassi, <u>V. Humblot</u> , O. Lequin, T. Bouceba, I. Correia, <u>S. Casale</u> , T. Foulon, D. Sereno, B. Oury*, A. Ladram*	PLOS One	12	3	e0174024
2017-	27	Surface-induced assembly of sophorolipids	J. Peyre, A. Hamraoui, M. Faustini, <u>V. Humblot</u> , N. Baccile*	Phys. Chem. Chem. Phys	19		15227-15238
2017-	28	Antibacterial properties of sophorolipids-modified gold surfaces against Gram+ and Gram- pathogens	<u>C. Valotteau</u> , I. Banat, C. Mitchell, H. Lydon, F. Babonneau, C.-M. Pradier, N. Baccile*, <u>V. Humblot*</u>	Colloids and Surfaces B	157		325-334
2017-	29	Silica-supported Au-Ag catalysts for the selective hydrogenation of butadiene	N. Masoud, <u>L. Delannoy</u> , C. Calers, JJ. Gallet, F. Bournel, KP. de Jong, <u>C. Louis</u> , PE. de Jongh*	Chemcatchem	9		1-9
2017-	30	Chemical weathering of alumina in aqueous suspension at ambient pressure : a mechanistic study	<u>J. Abi Aad</u> , <u>S. Casale</u> , M. Michau, P. Courty, F. Diehl, E. Marceau*, X. Carrier*	Chemcatchem	9		2186-2194
2017-	31	Inhibition by inorganic dopants of γ -Al ₂ O ₃ chemical weathering in hydrothermal conditions : indentification of reactive sites and influence in Fischer-Tropsch synthesis.	<u>J. Abi Aad</u> , P. Courty, D. Decottognies, M. Michau, F. Diehl, <u>X. Carrier*</u> , E. Marceau*	Chemcatchem	9		2106-2117
2017-	32	Highly Active Poly(3-hexylthiophene) Nanostructures for Photocatalysis under Solar Light	D. Floresyona, F. Goubard, PH. Aubert, I. Lampre, J. Mathurin, A. Dazzi, S. Ghosh, <u>P. Beaunier</u> , F. Brisset, S. Remita, L. Ramos, H. Remita*	Applied Catalysis B: Environmental	209		23-32
2017-	33	Role of Water on the Activity of Magnesium Silicate for Transesterification Reactions	<u>L. Lin</u> , D. Cornu, M. Mounir Daou, C. Domingos, V. Herledan, J.-M. Krafft, G. Laugel, Y. Millot, H. Lauron-Pernot*	Chemcatchem	9	12	2399-2407
2017-	34	Cobalt-containing BEA zeolite for catalytic combustion of toluene	A. Rokicinska, M. Drozdek, B. Dubek, B. Gil, P. Michorczyk, D. Brouri, S. Dzwigaj*, P. Kustrowski*	Applied Catalysis B-Environmental	212		59-67
2017-	35	Ethylene production via catalytic dehydration of diluted bioethanol: A step towards an integrated biorefinery	I. Rossetti, M. Compagnoni, E. Finocchio, G. Ramis, A. Di Michele, <u>Y. Millot</u> , <u>S. Dzwigaj*</u>	Applied Catalysis B-Environmental	210		407-420

2017-	36	Diagnosis of the Diatom Community upon Biofilm Development on Stainless Steels in Natural Freshwater	C. Richard*, S. Mitbavkar, <u>J. Landoulsi*</u>	Hindawi				n° 505264 6
2017-	37	The Pivotal Role of Catalysis in France: Selected Examples of Recent Advances and Future Prospects	H. Olivier-Bourbigou, C. Chizallet, F. Dumeignil, P. Fongarland, C. Geantet, P. Granger, <u>F. Launay</u> , A. Loeffberg, <u>P. Massiani</u> , F. Mauge, A. Ouali, A.-C. Roger, Y. Schuurman, N. Tanchoux, D. Uzio, F. Jerome, D. Duprez, C. Pinel*	Chemcatchem	9			2029- 2064
2017-	38	In Situ Solid-Gas Reactivity of Nanoscaled Metal Borides From Molten Salts Synthesis	D.P. Debecker, A. Kim, G. Olivieri, J-J. Gallet, F. Bournel, <u>C. Thomas</u> , S. Moldovan, C. Sanchez, S. Carencu, D. Portehault*	Inorganic Chemistry	56	15		9225- 9234
2017-	39	Phosphoribosyl pyrophosphate : A molecular vestige of the origin of the life of minerals	<u>M. Akouche</u> , M. Jaber*, MC. Maurel, <u>J.-F. Lambert</u> , <u>T. Georgelin*</u>	Angewandte Chemie-International Edition	56	27		7920- 7923