

Publication 2017 (Au 30 juin 2017)

2017-	1	Influence of preparation procedure on catalytic activity of PdBEA zeolites in aqueous phase hydrodechlorination of 1,1,2-trichloroethene	Il. 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> , <u>A. Djadoun</u>	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> , <u>C. Chizallet*</u> , 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> , <u>A. Davidson</u> , <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	<u>D. Cornu</u> , 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, <u>S. Casale</u> , 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	<u>M.-M. Daou</u> , E. Igualada, 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, <u>C.-M. Pradier</u> , 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, L. Delannoy, 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, <u>E. Marceau*</u> , <u>X. Carrier*</u>	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> , <u>E. Marceau*</u>	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, <u>D. Brouri</u> , <u>S. Dzwigaj*</u> , 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