

# Eric Gaigneaux

## List of Publications by Year in descending order

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243  
papers

7,074  
citations

57758

44  
h-index

98798

67  
g-index

251  
all docs

251  
docs citations

251  
times ranked

6905  
citing authors

#	ARTICLE	IF	CITATIONS
1	Titanosilicate Epoxidation Catalysts: A Review of Challenges and Opportunities. ChemCatChem, 2022, 14, .	3.7	26
2	Carbon black-polydopamine-ruthenium composite as a recyclable boomerang catalyst for the oxidative cleavage of oleic acid. Chemical Engineering Journal, 2022, 427, 131820.	12.7	14
3	Nanocrystalline rhenium-doped TiO <sub>2</sub> : an efficient catalyst in the one-pot conversion of carbohydrates into levulinic acid. The synergistic effect between Brønsted and Lewis acid sites. Catalysis Science and Technology, 2022, 12, 167-180.	4.1	4
4	Influence of zirconia addition in TiO <sub>2</sub> and TiO <sub>2</sub> -CeO <sub>2</sub> aerogels on the textural, structural and catalytic properties of supported vanadia in chlorobenzene oxidation. RSC Advances, 2022, 12, 10924-10932.	3.6	2
5	Tetrabutyl Ammonium Salts of Keggin-Type Vanadium-Substituted Phosphomolybdates and Phosphotungstates for Selective Aerobic Catalytic Oxidation of Benzyl Alcohol. Catalysts, 2022, 12, 507.	3.5	11
6	Active epoxidation bipyridine-oxodiperoxotungstate catalysts. Molecular Catalysis, 2022, 528, 112479.	2.0	2
7	Hydrophobic titania-silica mixed oxides for the catalytic epoxidation of cyclooctene. Catalysis Today, 2021, 363, 128-136.	4.4	20
8	Insights on hydrogen bond assisted solvent selection in certain acid-base heterogeneous catalysis through acceptor and donor numbers. Catalysis Science and Technology, 2021, 11, 1345-1357.	4.1	9
9	Mesoporous Methyl-Functionalized Titanosilicate Produced by Aerosol Process for the Catalytic Epoxidation of Olefins. Catalysts, 2021, 11, 196.	3.5	11
10	Alkylation of resorcinol with tertiary butanol over zeolite catalysts: Shape selectivity vs acidity. Catalysis Communications, 2021, 152, 106291.	3.3	5
11	Temporal post-discharge reactions effect on the oxidative catalytic properties of plasma-synthesized $\delta$ -MnO <sub>2</sub> nanorods. Applied Catalysis A: General, 2021, 616, 118109.	4.3	1
12	Abiotic Transformation of H <sub>2</sub> and CO <sub>2</sub> into Methane on a Natural Chromitite Rock. ACS Earth and Space Chemistry, 2021, 5, 1695-1708.	2.7	3
13	Influence of Operational Parameters on Photocatalytic Degradation of Linuron in Aqueous TiO <sub>2</sub> Pillared Montmorillonite Suspension. Bulletin of Chemical Reaction Engineering and Catalysis, 2021, 16, 673-685.	1.1	2
14	Effect of secondary additives on the properties of vanadium-aluminum mixed oxide tableted catalysts used in the oxidation of propane. Powder Technology, 2021, 387, 181-196.	4.2	8
15	Plasma-induced redox reactions synthesis of nanosized $\delta$ -, $\beta$ - and $\gamma$ -MnO <sub>2</sub> catalysts for dye degradation. Applied Catalysis B: Environmental, 2020, 260, 118159.	20.2	40
16	Hierarchical micro-/macroporous TS-1 zeolite epoxidation catalyst prepared by steam assisted crystallization. Microporous and Mesoporous Materials, 2020, 293, 109801.	4.4	37
17	Hollow zeolite microspheres as a nest for enzymes: a new route to hybrid heterogeneous catalysts. Chemical Science, 2020, 11, 954-961.	7.4	52
18	Effect of the surface properties of Me <sub>2</sub> /Al layered double hydroxides synthesized from aluminum saline slag wastes on the adsorption removal of drugs. Microporous and Mesoporous Materials, 2020, 309, 110560.	4.4	29

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19	Role of Lewis and Brønsted acid sites in resorcinol <i>tert</i> -butylation over heteropolyacid-based catalysts. <i>Catalysis Science and Technology</i> , 2020, 10, 7984-7997.	4.1	3
20	Recent Advances in Heterogeneous Catalysis for Ammonia Synthesis. <i>ChemCatChem</i> , 2020, 12, 5838-5857.	3.7	79
21	Ammonium-substitution for successfully activating the bulk of Keggin acid salts in 1-butanol dehydration. <i>Catalysis Science and Technology</i> , 2020, 10, 6244-6256.	4.1	4
22	Influence of Site Pairing in Hydrophobic Silica-Supported Sulfonic Acid Bifunctional Catalysts. <i>Langmuir</i> , 2020, 36, 13743-13751.	3.5	10
23	Efficient N, Fe Co-Doped TiO <sub>2</sub> Active under Cost-Effective Visible LED Light: From Powders to Films. <i>Catalysts</i> , 2020, 10, 547.	3.5	15
24	Alumina grafted SBA-15 sustainable bifunctional catalysts for direct cross-coupling of benzylic alcohols to diarylmethanes. <i>Catalysis Science and Technology</i> , 2020, 10, 2583-2592.	4.1	4
25	Ambient temperature ZrO <sub>2</sub> -doped TiO <sub>2</sub> crystalline photocatalysts: Highly efficient powders and films for water depollution. <i>Materials Today Energy</i> , 2019, 13, 312-322.	4.7	28
26	Production of high surface area mayenite (C12A7) via an assisted solution combustion synthesis (SCS) toward catalytic soot oxidation. <i>Materials Research Bulletin</i> , 2019, 119, 110542.	5.2	10
27	Synthetically Tuned Pd-Based Intermetallic Compounds and their Structural Influence on the O <sub>2</sub> Dissociation in Benzylamine Oxidation. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 37602-37616.	8.0	16
28	Aerosol Route to TiO <sub>2</sub> •SiO <sub>2</sub> Catalysts with Tailored Pore Architecture and High Epoxidation Activity. <i>Chemistry of Materials</i> , 2019, 31, 1610-1619.	6.7	50
29	Major non-volatile intermediate products of photo-catalytic decomposition of ethylene. <i>Journal of Catalysis</i> , 2019, 374, 328-334.	6.2	3
30	Sulfated zirconia: an efficient catalyst for the Friedel-Crafts monoalkylation of resorcinol with methyl tertiary butyl ether to 4-tertiary butylresorcinol. <i>New Journal of Chemistry</i> , 2019, 43, 7733-7742.	2.8	20
31	Assessing the dispersion of supported H <sub>3</sub> PW <sub>12</sub> O <sub>40</sub> catalysts: No longer a hurdle thanks to in situ IR upon pyridine adsorption. <i>Applied Catalysis A: General</i> , 2019, 578, 116-121.	4.3	7
32	Production and testing of technical catalysts based on MnO <sub>2</sub> for the abatement of aromatic volatile compounds at the laboratory and pilot plant scales. <i>Catalysis Today</i> , 2019, 338, 81-92.	4.4	8
33	Click-Silica-Supported Sulfonic Acid Catalysts with Variable Acid Strength and Surface Polarity. <i>Chemistry - A European Journal</i> , 2019, 25, 6753-6762.	3.3	16
34	V <sub>2</sub> O <sub>5</sub> /TiO <sub>2</sub> and V <sub>2</sub> O <sub>5</sub> /TiO <sub>2</sub> •SO <sub>4</sub> <sup>2-</sup> catalysts for the total oxidation of chlorobenzene: one-step sol-gel preparation <i>vs.</i> two-step impregnation. <i>Catalysis Science and Technology</i> , 2019, 9, 2344-2350.	4.1	15
35	Macrocellular Titanosilicate Monoliths as Highly Efficient Structured Olefin Epoxidation Catalysts. <i>ChemCatChem</i> , 2019, 11, 1593-1597.	3.7	11
36	Adsorption of picloram on clays nontronite, illite and kaolinite: equilibrium and herbicide-clays surface complexes. <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , 2019, 54, 281-289.	1.5	8

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37	Differential charging effects from impurities in pyrolytic graphite. <i>Applied Surface Science</i> , 2019, 476, 174-181.	6.1	5
38	Producing oxide catalysts by exploiting the chemistry of gliding arc atmospheric plasma in humid air. <i>Catalysis Today</i> , 2019, 334, 104-112.	4.4	14
39	Improving the selectivity to 4-tert-butylresorcinol by adjusting the surface chemistry of heteropolyacid-based alkylation catalysts. <i>Journal of Catalysis</i> , 2018, 359, 198-211.	6.2	26
40	FeOx-kaolinite catalysts prepared via a plasma-assisted hydrolytic precipitation approach for Fenton-like reaction. <i>Microporous and Mesoporous Materials</i> , 2018, 255, 148-155.	4.4	12
41	Hydrodeoxygenation of guaiacol using NiMo and CoMo catalysts supported on alumina modified with potassium. <i>Catalysis Today</i> , 2018, 302, 125-135.	4.4	44
42	Novel ceramic paper structures for diesel exhaust purification. <i>Environmental Science and Pollution Research</i> , 2018, 25, 35276-35286.	5.3	12
43	Mesoporous SiO <sub>2</sub> -TiO <sub>2</sub> epoxidation catalysts: Tuning surface polarity to improve performance in the presence of water. <i>Molecular Catalysis</i> , 2018, 452, 123-128.	2.0	37
44	Highly Efficient Low-Temperature N-Doped TiO <sub>2</sub> Catalysts for Visible Light Photocatalytic Applications. <i>Materials</i> , 2018, 11, 584.	2.9	48
45	Study of the gas-phase glycerol oxidehydration on systems based on transition metals (Co, Fe, V) and aluminium phosphate. <i>Molecular Catalysis</i> , 2018, 455, 68-77.	2.0	19
46	Nanostructured hybrid materials as precursors of mesoporous NiMo-based catalysts for the propane oxidative dehydrogenation. <i>Microporous and Mesoporous Materials</i> , 2017, 242, 200-207.	4.4	9
47	Gliding Arc Plasma Synthesis of MnO <sub>2</sub> Nanorods for the Plasma-Catalytic Bleaching of Azo <sup>-</sup> c Amaranth Red Dye. <i>Topics in Catalysis</i> , 2017, 60, 962-972.	2.8	15
48	Boron Nitride: A Support for Highly Active Heteropolyacids in the Methanol-to-DME Reaction. <i>ACS Catalysis</i> , 2017, 7, 4011-4017.	11.2	35
49	Lifetime of the H <sub>3</sub> PW <sub>12</sub> O <sub>40</sub> heteropolyacid in the methanol-to-DME process: A question of pre-treatment. <i>Applied Catalysis A: General</i> , 2017, 538, 174-180.	4.3	11
50	The inhibitor role of NH <sub>3</sub> on its synthesis process at low temperature, over Ru catalytic nanoparticles. <i>Catalysis Today</i> , 2017, 286, 85-100.	4.4	14
51	Elucidating and exploiting the chemistry of Keggin heteropolyacids in the methanol-to-DME conversion: enabling the bulk reaction thanks to operando Raman. <i>Catalysis Science and Technology</i> , 2017, 7, 817-830.	4.1	25
52	Operando Raman to Enhance the Methanol-to-DME Conversion Over Non-Thermally-Pretreated Keggin Heteropolyacids. <i>Journal of Physical Chemistry C</i> , 2017, 121, 556-566.	3.1	5
53	Keggin H <sub>3</sub> PW <sub>12</sub> O <sub>40</sub> pore blockage by coke can be reversible in the gas phase methanol-to-DME reaction. <i>Catalysis Science and Technology</i> , 2017, 7, 6151-6160.	4.1	6
54	Raman monitoring of a catalytic system at work: Influence of the reactant on the sensitivity to laser-induced heating. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017, 173, 151-159.	3.9	4

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55	Probing the Structural Changes and Redox Behavior of Mixed Molybdate Catalysts under Ammoxidation Conditions: An Operando Raman Spectroscopy Study. <i>ChemCatChem</i> , 2016, 8, 976-983.	3.7	15
56	Synergetic Behavior of TiO <sub>2</sub> -Supported Pd( <i>z</i> )Pt( <i>z</i> ) Catalysts in the Green Synthesis of Methyl Formate. <i>ChemCatChem</i> , 2016, 8, 1157-1166.	3.7	11
57	New concepts in low-temperature catalytic hydrogenation and their implications for process intensification. <i>Canadian Journal of Chemical Engineering</i> , 2016, 94, 662-677.	1.7	5
58	Ordered and disordered evolution of the pore mesostructure in hybrid silica anti-reflective films obtained by one-pot self-assembly method. <i>Thin Solid Films</i> , 2016, 611, 117-124.	1.8	8
59	Self-assembled hybrid precursors towards more efficient propane ODH NiMoO <sub>4</sub> catalysts. <i>Catalysis Science and Technology</i> , 2016, 6, 6046-6056.	4.1	11
60	Kinetics of hydrogen adsorption and mobility on Ru nanoparticles supported on alumina: Effects on the catalytic mechanism of ammonia synthesis. <i>Journal of Catalysis</i> , 2016, 344, 16-28.	6.2	29
61	Thermal treatment of plasma-synthesized goethite improves Fenton-like degradation of orange II dye. <i>Environmental Chemistry Letters</i> , 2016, 14, 515-519.	16.2	7
62	The Effect of Hydrophobicity on the Synthesis of Homogeneous and Nanostructured NiMo-Based Hybrid Materials. <i>ChemistrySelect</i> , 2016, 1, 4193-4196.	1.5	0
63	Influence of the acidity of oxidized Pd/silica-alumina catalysts on their performances in the Suzuki coupling. <i>Journal of Molecular Catalysis A</i> , 2016, 416, 47-55.	4.8	7
64	Understanding the growth of RuO <sub>2</sub> colloidal nanoparticles over a solid support: An atomic force microscopy study. <i>Catalysis Today</i> , 2016, 259, 183-191.	4.4	7
65	Development of an Efficient Strategy for Coating TiO <sub>2</sub> on Polyester-Cotton Fabrics for Bactericidal Applications. <i>Topics in Catalysis</i> , 2016, 59, 378-386.	2.8	6
66	Performance of platinum and gold catalysts supported on ceria-zirconia mixed oxide in the oxidation of chlorobenzene. <i>Catalysis Today</i> , 2015, 253, 172-177.	4.4	44
67	Bismuth molybdates prepared by solution combustion synthesis for the partial oxidation of propene. <i>Catalysis Today</i> , 2015, 257, 11-17.	4.4	23
68	In situ quartz crystal microbalance monitoring of the adsorption of polyoxometalate on a polyampholyte polymer matrix. <i>Journal of Colloid and Interface Science</i> , 2015, 445, 24-30.	9.4	7
69	New insights on the structure of the picloram-montmorillonite surface complexes. <i>Journal of Colloid and Interface Science</i> , 2015, 444, 115-122.	9.4	12
70	Behavior of cation-exchange resins employed as heterogeneous catalysts for esterification of oleic acid with trimethylolpropane. <i>Applied Catalysis A: General</i> , 2015, 504, 11-16.	4.3	33
71	Enhanced discoloration of methyl violet 10B in a gliding arc plasma reactor by the maghemite nanoparticles used as heterogeneous catalyst. <i>Journal of Environmental Chemical Engineering</i> , 2015, 3, 953-960.	6.7	19
72	Insights in the mechanism of deposition and growth of RuO <sub>2</sub> colloidal nanoparticles over alumina. Implications on the activity for ammonia synthesis. <i>Applied Catalysis A: General</i> , 2015, 502, 48-56.	4.3	13

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73	Non-thermal plasma synthesis of sea-urchin like $\gamma$ -FeOOH for the catalytic oxidation of Orange II in aqueous solution. <i>Applied Catalysis B: Environmental</i> , 2015, 176-177, 99-106.	20.2	65
74	Disclosing the synergistic mechanism in the catalytic activity of different-sized Ru nanoparticles for ammonia synthesis at mild reaction conditions. <i>Catalysis Today</i> , 2015, 251, 88-95.	4.4	18
75	Catalytic ceramic papers for diesel soot oxidation: A spray method for enhanced performance. <i>Catalysis Communications</i> , 2015, 72, 116-120.	3.3	16
76	Magnetic nanoparticles: Improving chemical stability via silica coating and organic grafting with silanes for acidic media catalytic reactions. <i>Applied Catalysis A: General</i> , 2015, 505, 200-212.	4.3	27
77	Complementarity of heterogeneous and homogeneous catalysis for oleic acid esterification with trimethylolpropane over ion-exchange resins. <i>Catalysis Communications</i> , 2015, 59, 222-225.	3.3	17
78	Catalysts based on pillared clays for the oxidation of chlorobenzene. <i>Catalysis Today</i> , 2015, 246, 15-27.	4.4	46
79	Role of shaping in the preparation of heterogeneous catalysts: Tableting and slip-casting of oxidation catalysts. <i>Catalysis Today</i> , 2015, 246, 81-91.	4.4	25
80	Study of mesoporous CdS-quantum-dot-sensitized TiO <sub>2</sub> films by using X-ray photoelectron spectroscopy and AFM. <i>Beilstein Journal of Nanotechnology</i> , 2014, 5, 68-76.	2.8	61
81	Controlling the dispersion of supported polyoxometalate heterogeneous catalysts: impact of hybridization and the role of hydrophilicity-hydrophobicity balance and supramolecularity. <i>Beilstein Journal of Nanotechnology</i> , 2014, 5, 1749-1759.	2.8	8
82	11th International Symposium on the Scientific Bases for the Preparation of Heterogeneous Catalysts (PREPA11; Louvain-la-Neuve, Belgium, July 6-10, 2014). <i>Green Processing and Synthesis</i> , 2014, 3, 177-178.	3.4	0
83	Taking advantage of a priori unwanted catalysts modifications. <i>Applied Catalysis A: General</i> , 2014, 474, 51-58.	4.3	0
84	Elaboration and characterization of sulfated and unsulfated V <sub>2</sub> O <sub>5</sub> /TiO <sub>2</sub> nanotubes catalysts for chlorobenzene total oxidation. <i>Applied Catalysis B: Environmental</i> , 2014, 147, 58-64.	20.2	74
85	Mesoporous lithium vanadium oxide as a thin film electrode for lithium-ion batteries: comparison between direct synthesis of LiV <sub>2</sub> O <sub>5</sub> and electrochemical lithium intercalation in V <sub>2</sub> O <sub>5</sub> . <i>Journal of Materials Chemistry A</i> , 2014, 2, 5809-5815.	10.3	25
86	Theoretical condition for transparency in mesoporous layered optical media: Application to switching of hydrochromic coatings. <i>Applied Physics Letters</i> , 2014, 104, 023704.	3.3	17
87	Low temperature oxidation of methanol to methyl formate over Pd nanoparticles supported on $\gamma$ -Fe <sub>2</sub> O <sub>3</sub> . <i>Catalysis Science and Technology</i> , 2014, 4, 738.	4.1	30
88	Adsorption capacity of methylene blue, an organic pollutant, by montmorillonite clay. <i>Desalination and Water Treatment</i> , 2014, 52, 2654-2661.	1.0	51
89	Immobilizing heteropolyacids on zirconia-modified silica as catalysts for oleochemistry transesterification and esterification reactions. <i>Journal of Catalysis</i> , 2014, 320, 1-8.	6.2	60
90	Oxidation of methanol to methyl formate over supported Pd nanoparticles: insights into the reaction mechanism at low temperature. <i>Catalysis Science and Technology</i> , 2014, 4, 3298-3305.	4.1	32

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91	Total oxidation of propane with a nano-RuO <sub>2</sub> /TiO <sub>2</sub> catalyst. <i>Applied Catalysis A: General</i> , 2014, 481, 11-18.	4.3	47
92	Surface Modification of Smectite Clay Induced by Non-thermal Gliding Arc Plasma at Atmospheric Pressure. <i>Plasma Chemistry and Plasma Processing</i> , 2013, 33, 707-723.	2.4	48
93	Plasma-Assisted Synthesis of TiO <sub>2</sub> Nanorods by Gliding Arc Discharge Processing at Atmospheric Pressure for Photocatalytic Applications. <i>Plasma Chemistry and Plasma Processing</i> , 2013, 33, 725-735.	2.4	41
94	In Vitro Lipolysis and Intestinal Transport of <sup>125</sup> I-Arteether-Loaded Lipid-Based Drug Delivery Systems. <i>Pharmaceutical Research</i> , 2013, 30, 2694-2705.	3.5	16
95	Hybrid peroxotungstophosphate organized catalysts highly active and selective in alkene epoxidation. <i>Catalysis Communications</i> , 2013, 37, 80-84.	3.3	24
96	An Alternative Method for the Incorporation of Silver in Ag-VO <sub>x</sub> /TiO <sub>2</sub> Catalysts for the Total Oxidation of Benzene. <i>Topics in Catalysis</i> , 2013, 56, 1867-1874.	2.8	8
97	Influence of vanadium loading on the activity and selectivity of V/Al <sub>0.5</sub> Ga <sub>0.5</sub> PO <sub>4</sub> catalysts in the propane ammoxidation. <i>Catalysis Today</i> , 2013, 203, 40-47.	4.4	5
98	Understanding the molecular basics behind catalyst shaping: Preparation of suspensions of vanadium–aluminum mixed (hydr)oxides. <i>Applied Catalysis A: General</i> , 2013, 468, 190-203.	4.3	15
99	NiMoO <sub>4</sub> preparation from polyampholytic hybrid precursors: Benefiting of the memory effect in the oxidative dehydrogenation of propane. <i>Catalysis Today</i> , 2013, 203, 24-31.	4.4	11
100	Tailored refractive index of inorganic mesoporous mixed-oxide Bragg stacks with bio-inspired hydrochromic optical properties. <i>Journal of Materials Chemistry C</i> , 2013, 1, 6202.	5.5	39
101	Direct Methyl Formate Formation from Methanol over Supported Palladium Nanoparticles at Low Temperature. <i>ChemCatChem</i> , 2013, 5, 339-348.	3.7	20
102	Olefin metathesis with mesoporous rhenium–silicium–aluminum mixed oxides obtained via a one-step non-hydrolytic sol–gel route. <i>Journal of Catalysis</i> , 2013, 301, 233-241.	6.2	53
103	Supramolecular Organization in Organic–Inorganic Heterogeneous Hybrid Catalysts Formed from Polyoxometalate and Poly(ampholyte) Polymer. <i>Langmuir</i> , 2013, 29, 4388-4395.	3.5	39
104	Structural changes in FeMFI during its activation for the direct ammoxidation of propane. <i>Catalysis Science and Technology</i> , 2013, 3, 1634-1643.	4.1	1
105	Periodic Mesoporous Organosilica Functionalized with Sulfonic Acid Groups as Acid Catalyst for Glycerol Acetylation. <i>Materials</i> , 2013, 6, 3556-3570.	2.9	21
106	Calibration of the X-ray Photoelectron Spectroscopy Binding Energy Scale for the Characterization of Heterogeneous Catalysts: Is Everything Really under Control?. <i>ChemPhysChem</i> , 2013, 14, 3618-3626.	2.1	60
107	Influence of the Preparation Method on Catalytic Properties of Pd/TiO <sub>2</sub> Catalysts in the Reaction of Partial Oxidation of Methanol. <i>Current Catalysis</i> , 2013, 2, 27-34.	0.5	6
108	Effect of support on V <sub>2</sub> O <sub>5</sub> catalytic activity in chlorobenzene oxidation. <i>Applied Catalysis A: General</i> , 2012, 447-448, 1-6.	4.3	32

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109	Influence of the impregnation order on the synergy between Ag and V <sub>2</sub> O <sub>5</sub> /TiO <sub>2</sub> catalysts in the total oxidation of Cl-aromatic VOC. <i>Catalysis Today</i> , 2012, 192, 2-9.	4.4	15
110	Glycerol acetylation catalysed by ion exchange resins. <i>Catalysis Today</i> , 2012, 195, 14-21.	4.4	110
111	Tuning the selectivity and sensitivity of mesoporous dielectric multilayers by modifying the hydrophobic/hydrophilic balance of the silica layer. <i>Journal of Materials Chemistry</i> , 2012, 22, 22526.	6.7	21
112	Establishing the Role of Graphite as a Shaping Agent of Vanadium-Aluminum Mixed (Hydr)oxides and Their Physicochemical Properties and Catalytic Functionalities. <i>ACS Catalysis</i> , 2012, 2, 322-336.	11.2	21
113	Préparation, caractérisation et activité de l'acide 1-vanado-11-molybdo-phosphorique supporté sur des matériaux silicatés mésoporeux dans l'oxydation du propène. <i>Comptes Rendus Chimie</i> , 2012, 15, 658-668.	0.5	1
114	Porosity control and surface sensitivity of titania/silica mesoporous multilayer coatings: applications to optical Bragg resonance tuning and molecular sensing. <i>Journal of Materials Chemistry</i> , 2012, 22, 25302.	6.7	21
115	Supporting the Dawson (NH <sub>4</sub> ) <sub>6</sub> P <sub>2</sub> Mo <sub>18</sub> O <sub>62</sub> Heteropoly Compound: Controlling Its Molecular Behaviour to Enhance Its Catalytic Activity in the Propene Oxidation. <i>European Journal of Inorganic Chemistry</i> , 2012, 2012, 2792-2801.	2.0	10
116	Tuning the Acid/Metal Balance of Carbon Nanofiber-Supported Nickel Catalysts for Hydrolytic Hydrogenation of Cellulose. <i>ChemSusChem</i> , 2012, 5, 1549-1558.	6.8	131
117	A non-hydrolytic sol-gel route to highly active MoO <sub>3</sub> -SiO <sub>2</sub> -Al <sub>2</sub> O <sub>3</sub> metathesis catalysts. <i>Catalysis Science and Technology</i> , 2012, 2, 1157.	4.1	42
118	Cu <sub>x</sub> Cr <sub>y</sub> O <sub>z</sub> mixed oxide as a promising support for gold - The effect of Au loading method on the effectiveness in oxidation reactions. <i>Catalysis Today</i> , 2012, 187, 48-55.	4.4	16
119	Optimization of the preparation procedure of cobalt modified silicas as catalysts in methanol decomposition. <i>Applied Catalysis A: General</i> , 2012, 417-418, 209-219.	4.3	25
120	Improving the selectivity to HDS in the HDT of synthetic FCC naphtha using sodium doped amorphous aluminosilicates as support of CoMo catalysts. <i>Applied Catalysis A: General</i> , 2012, 421-422, 48-57.	4.3	20
121	Photocatalytic degradation of Rhodamine 6G on mesoporous titania films: Combined effect of texture and dye aggregation forms. <i>Applied Catalysis B: Environmental</i> , 2012, 115-116, 276-284.	20.2	49
122	Cu-modified cryptomelane oxide as active catalyst for CO oxidation reactions. <i>Applied Catalysis B: Environmental</i> , 2012, 123-124, 27-35.	20.2	95
123	Characterization of H <sub>3-x</sub> PMo <sub>12</sub> V <sub>x</sub> O <sub>40</sub> heteropolyacids supported on HMS mesoporous molecular sieve and their catalytic performance in propene oxidation. <i>Microporous and Mesoporous Materials</i> , 2012, 154, 153-163.	4.4	23
124	Low Temperature-High Selectivity Process over Supported Pd Nanoparticles in Partial Oxidation of Methanol. <i>ChemCatChem</i> , 2012, 4, 72-75.	3.7	9
125	One-Pot Aerosol Route to MoO <sub>3</sub> -SiO <sub>2</sub> -Al <sub>2</sub> O <sub>3</sub> Catalysts with Ordered Super Microporosity and High Olefin Metathesis Activity. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 2129-2131.	13.8	101
126	Influence of Graphite as a Shaping Agent of Bi Molybdate Powders on Their Mechanical, Physicochemical, and Catalytic Properties. <i>Industrial &amp; Engineering Chemistry Research</i> , 2011, 50, 5467-5477.	3.7	15



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127	Sol-gel derived V <sub>2</sub> O <sub>5</sub> -TiO <sub>2</sub> mesoporous materials as catalysts for the total oxidation of chlorobenzene. <i>Catalysis Communications</i> , 2011, 15, 1-5.	3.3	42
128	Benzimidazole adsorption on the external and interlayer surfaces of raw and treated montmorillonite. <i>Applied Clay Science</i> , 2011, 53, 366-373.	5.2	38
129	NbVO <sub>5</sub> Mesoporous Thin Films by Evaporation Induced Micelles Packing: Pore Size Dependence of the Mechanical Stability upon Thermal Treatment and Li Insertion/Extraction. <i>Chemistry of Materials</i> , 2011, 23, 4124-4131.	6.7	17
130	Effect of compressive stress inducing a band gap narrowing on the photoinduced activities of sol-gel TiO <sub>2</sub> films. <i>Thin Solid Films</i> , 2011, 520, 1147-1154.	1.8	38
131	Flame-made MoO <sub>3</sub> /SiO <sub>2</sub> -Al <sub>2</sub> O <sub>3</sub> metathesis catalysts with highly dispersed and highly active molybdate species. <i>Journal of Catalysis</i> , 2011, 277, 154-163.	6.2	85
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