

Eric Gaigneaux

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8253339/publications.pdf>

Version: 2024-02-01

242
papers

7,074
citations

57631

44
h-index

98622

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, .	1.8	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.	6.6	14
3	Nanocrystalline rhenium-doped TiO ₂ : 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.	2.1	4
4	Influence of zirconia addition in TiO ₂ and TiO ₂ -CeO ₂ aerogels on the textural, structural and catalytic properties of supported vanadia in chlorobenzene oxidation. RSC Advances, 2022, 12, 10924-10932.	1.7	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.	1.6	11
6	Active epoxidation bipyridine-oxodiperoxotungstate catalysts. Molecular Catalysis, 2022, 528, 112479.	1.0	2
7	Hydrophobic titania-silica mixed oxides for the catalytic epoxidation of cyclooctene. Catalysis Today, 2021, 363, 128-136.	2.2	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.	2.1	9
9	Mesoporous Methyl-Functionalized Titanosilicate Produced by Aerosol Process for the Catalytic Epoxidation of Olefins. Catalysts, 2021, 11, 196.	1.6	11
10	Alkylation of resorcinol with tertiary butanol over zeolite catalysts: Shape selectivity vs acidity. Catalysis Communications, 2021, 152, 106291.	1.6	5
11	Temporal post-discharge reactions effect on the oxidative catalytic properties of plasma-synthesized δ -MnO ₂ nanorods. Applied Catalysis A: General, 2021, 616, 118109.	2.2	1
12	Abiotic Transformation of H ₂ and CO ₂ into Methane on a Natural Chromitite Rock. ACS Earth and Space Chemistry, 2021, 5, 1695-1708.	1.2	3
13	Influence of Operational Parameters on Photocatalytic Degradation of Linuron in Aqueous TiO ₂ Pillared Montmorillonite Suspension. Bulletin of Chemical Reaction Engineering and Catalysis, 2021, 16, 673-685.	0.5	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.	2.1	8
15	Plasma-induced redox reactions synthesis of nanosized δ -, β - and γ -MnO ₂ catalysts for dye degradation. Applied Catalysis B: Environmental, 2020, 260, 118159.	10.8	40
16	Hierarchical micro-/macroporous TS-1 zeolite epoxidation catalyst prepared by steam assisted crystallization. Microporous and Mesoporous Materials, 2020, 293, 109801.	2.2	37
17	Hollow zeolite microspheres as a nest for enzymes: a new route to hybrid heterogeneous catalysts. Chemical Science, 2020, 11, 954-961.	3.7	52
18	Effect of the surface properties of Me ₂ /Al layered double hydroxides synthesized from aluminum saline slag wastes on the adsorption removal of drugs. Microporous and Mesoporous Materials, 2020, 309, 110560.	2.2	29

#	ARTICLE	IF	CITATIONS
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.	2.1	3
20	Recent Advances in Heterogeneous Catalysis for Ammonia Synthesis. <i>ChemCatChem</i> , 2020, 12, 5838-5857.	1.8	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.	2.1	4
22	Influence of Site Pairing in Hydrophobic Silica-Supported Sulfonic Acid Bifunctional Catalysts. <i>Langmuir</i> , 2020, 36, 13743-13751.	1.6	10
23	Efficient N, Fe Co-Doped TiO ₂ Active under Cost-Effective Visible LED Light: From Powders to Films. <i>Catalysts</i> , 2020, 10, 547.	1.6	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.	2.1	4
25	Ambient temperature ZrO ₂ -doped TiO ₂ crystalline photocatalysts: Highly efficient powders and films for water depollution. <i>Materials Today Energy</i> , 2019, 13, 312-322.	2.5	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.	2.7	10
27	Synthetically Tuned Pd-Based Intermetallic Compounds and their Structural Influence on the O ₂ Dissociation in Benzylamine Oxidation. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 37602-37616.	4.0	16
28	Aerosol Route to TiO ₂ •SiO ₂ Catalysts with Tailored Pore Architecture and High Epoxidation Activity. <i>Chemistry of Materials</i> , 2019, 31, 1610-1619.	3.2	50
29	Major non-volatile intermediate products of photo-catalytic decomposition of ethylene. <i>Journal of Catalysis</i> , 2019, 374, 328-334.	3.1	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.	1.4	20
31	Assessing the dispersion of supported H ₃ PW ₁₂ O ₄₀ catalysts: No longer a hurdle thanks to in situ IR upon pyridine adsorption. <i>Applied Catalysis A: General</i> , 2019, 578, 116-121.	2.2	7
32	Production and testing of technical catalysts based on MnO ₂ for the abatement of aromatic volatile compounds at the laboratory and pilot plant scales. <i>Catalysis Today</i> , 2019, 338, 81-92.	2.2	8
33	•Silica-Supported Sulfonic Acid Catalysts with Variable Acid Strength and Surface Polarity. <i>Chemistry - A European Journal</i> , 2019, 25, 6753-6762.	1.7	16
34	V ₂ O ₅ /TiO ₂ and V ₂ O ₅ /TiO ₂ •SO ₄ ²⁻ 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.	2.1	15
35	Macrocellular Titanosilicate Monoliths as Highly Efficient Structured Olefin Epoxidation Catalysts. <i>ChemCatChem</i> , 2019, 11, 1593-1597.	1.8	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.	0.7	8

#	ARTICLE	IF	CITATIONS
37	Differential charging effects from impurities in pyrolytic graphite. <i>Applied Surface Science</i> , 2019, 476, 174-181.	3.1	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.	2.2	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.	3.1	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.	2.2	12
41	Hydrodeoxygenation of guaiacol using NiMo and CoMo catalysts supported on alumina modified with potassium. <i>Catalysis Today</i> , 2018, 302, 125-135.	2.2	44
42	Novel ceramic paper structures for diesel exhaust purification. <i>Environmental Science and Pollution Research</i> , 2018, 25, 35276-35286.	2.7	12
43	Mesoporous SiO ₂ -TiO ₂ epoxidation catalysts: Tuning surface polarity to improve performance in the presence of water. <i>Molecular Catalysis</i> , 2018, 452, 123-128.	1.0	37
44	Highly Efficient Low-Temperature N-Doped TiO ₂ Catalysts for Visible Light Photocatalytic Applications. <i>Materials</i> , 2018, 11, 584.	1.3	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.	1.0	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.	2.2	9
47	Gliding Arc Plasma Synthesis of MnO ₂ Nanorods for the Plasma-Catalytic Bleaching of Azo ⁺ c Amaranth Red Dye. <i>Topics in Catalysis</i> , 2017, 60, 962-972.	1.3	15
48	Boron Nitride: A Support for Highly Active Heteropolyacids in the Methanol-to-DME Reaction. <i>ACS Catalysis</i> , 2017, 7, 4011-4017.	5.5	35
49	Lifetime of the H ₃ PW ₁₂ O ₄₀ heteropolyacid in the methanol-to-DME process: A question of pre-treatment. <i>Applied Catalysis A: General</i> , 2017, 538, 174-180.	2.2	11
50	The inhibitor role of NH ₃ on its synthesis process at low temperature, over Ru catalytic nanoparticles. <i>Catalysis Today</i> , 2017, 286, 85-100.	2.2	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.	2.1	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.	1.5	5
53	Keggin H ₃ PW ₁₂ O ₄₀ 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.	2.1	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.	2.0	4

#	ARTICLE	IF	CITATIONS
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.	1.8	15
56	Synergetic Behavior of TiO ₂ -Supported Pd(<i>z</i>)Pt(<i>z</i>) Catalysts in the Green Synthesis of Methyl Formate. <i>ChemCatChem</i> , 2016, 8, 1157-1166.	1.8	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.	0.9	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.	0.8	8
59	Self-assembled hybrid precursors towards more efficient propane ODH NiMoO ₄ catalysts. <i>Catalysis Science and Technology</i> , 2016, 6, 6046-6056.	2.1	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.	3.1	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.	8.3	7
62	The Effect of Hydrophobicity on the Synthesis of Homogeneous and Nanostructured NiMo-Based Hybrid Materials. <i>ChemistrySelect</i> , 2016, 1, 4193-4196.	0.7	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 ₂ colloidal nanoparticles over a solid support: An atomic force microscopy study. <i>Catalysis Today</i> , 2016, 259, 183-191.	2.2	7
65	Development of an Efficient Strategy for Coating TiO ₂ on Polyester-Cotton Fabrics for Bactericidal Applications. <i>Topics in Catalysis</i> , 2016, 59, 378-386.	1.3	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.	2.2	44
67	Bismuth molybdates prepared by solution combustion synthesis for the partial oxidation of propene. <i>Catalysis Today</i> , 2015, 257, 11-17.	2.2	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.	5.0	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.	5.0	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.	2.2	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.	3.3	19
72	Insights in the mechanism of deposition and growth of RuO ₂ colloidal nanoparticles over alumina. Implications on the activity for ammonia synthesis. <i>Applied Catalysis A: General</i> , 2015, 502, 48-56.	2.2	13

#	ARTICLE	IF	CITATIONS
73	Non-thermal plasma synthesis of sea-urchin like γ -FeOOH for the catalytic oxidation of Orange II in aqueous solution. <i>Applied Catalysis B: Environmental</i> , 2015, 176-177, 99-106.	10.8	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.	2.2	18
75	Catalytic ceramic papers for diesel soot oxidation: A spray method for enhanced performance. <i>Catalysis Communications</i> , 2015, 72, 116-120.	1.6	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.	2.2	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.	1.6	17
78	Catalysts based on pillared clays for the oxidation of chlorobenzene. <i>Catalysis Today</i> , 2015, 246, 15-27.	2.2	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.	2.2	25
80	Study of mesoporous CdS-quantum-dot-sensitized TiO_2 films by using X-ray photoelectron spectroscopy and AFM. <i>Beilstein Journal of Nanotechnology</i> , 2014, 5, 68-76.	1.5	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.	1.5	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.	1.3	0
83	Taking advantage of a priori unwanted catalysts modifications. <i>Applied Catalysis A: General</i> , 2014, 474, 51-58.	2.2	0
84	Elaboration and characterization of sulfated and unsulfated $\text{V}_2\text{O}_5/\text{TiO}_2$ nanotubes catalysts for chlorobenzene total oxidation. <i>Applied Catalysis B: Environmental</i> , 2014, 147, 58-64.	10.8	74
85	Mesoporous lithium vanadium oxide as a thin film electrode for lithium-ion batteries: comparison between direct synthesis of LiV_2O_5 and electrochemical lithium intercalation in V_2O_5 . <i>Journal of Materials Chemistry A</i> , 2014, 2, 5809-5815.	5.2	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.	1.5	17
87	Low temperature oxidation of methanol to methyl formate over Pd nanoparticles supported on γ -Fe $_2$ O $_3$. <i>Catalysis Science and Technology</i> , 2014, 4, 738.	2.1	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.	3.1	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.	2.1	32

#	ARTICLE	IF	CITATIONS
91	Total oxidation of propane with a nano-RuO ₂ /TiO ₂ catalyst. <i>Applied Catalysis A: General</i> , 2014, 481, 11-18.	2.2	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.	1.1	48
93	Plasma-Assisted Synthesis of TiO ₂ Nanorods by Gliding Arc Discharge Processing at Atmospheric Pressure for Photocatalytic Applications. <i>Plasma Chemistry and Plasma Processing</i> , 2013, 33, 725-735.	1.1	41
94	In Vitro Lipolysis and Intestinal Transport of ¹²⁵ I-Arteether-Loaded Lipid-Based Drug Delivery Systems. <i>Pharmaceutical Research</i> , 2013, 30, 2694-2705.	1.7	16
95	Hybrid peroxotungstophosphate organized catalysts highly active and selective in alkene epoxidation. <i>Catalysis Communications</i> , 2013, 37, 80-84.	1.6	24
96	An Alternative Method for the Incorporation of Silver in Ag-VO _x /TiO ₂ Catalysts for the Total Oxidation of Benzene. <i>Topics in Catalysis</i> , 2013, 56, 1867-1874.	1.3	8
97	Influence of vanadium loading on the activity and selectivity of V/Al _{0.5} Ga _{0.5} PO ₄ catalysts in the propane ammoxidation. <i>Catalysis Today</i> , 2013, 203, 40-47.	2.2	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.	2.2	15
99	NiMoO ₄ preparation from polyampholytic hybrid precursors: Benefiting of the memory effect in the oxidative dehydrogenation of propane. <i>Catalysis Today</i> , 2013, 203, 24-31.	2.2	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.	2.7	39
101	Direct Methyl Formate Formation from Methanol over Supported Palladium Nanoparticles at Low Temperature. <i>ChemCatChem</i> , 2013, 5, 339-348.	1.8	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.	3.1	53
103	Supramolecular Organization in Organic–Inorganic Heterogeneous Hybrid Catalysts Formed from Polyoxometalate and Poly(ampholyte) Polymer. <i>Langmuir</i> , 2013, 29, 4388-4395.	1.6	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.	2.1	1
105	Periodic Mesoporous Organosilica Functionalized with Sulfonic Acid Groups as Acid Catalyst for Glycerol Acetylation. <i>Materials</i> , 2013, 6, 3556-3570.	1.3	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.	1.0	60
107	Influence of the Preparation Method on Catalytic Properties of Pd/TiO ₂ 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 ₂ O ₅ catalytic activity in chlorobenzene oxidation. <i>Applied Catalysis A: General</i> , 2012, 447-448, 1-6.	2.2	32

#	ARTICLE	IF	CITATIONS
109	Influence of the impregnation order on the synergy between Ag and V ₂ O ₅ /TiO ₂ catalysts in the total oxidation of Cl-aromatic VOC. <i>Catalysis Today</i> , 2012, 192, 2-9.	2.2	15
110	Glycerol acetylation catalysed by ion exchange resins. <i>Catalysis Today</i> , 2012, 195, 14-21.	2.2	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.	5.5	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.		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 ₄) ₆ P ₂ Mo ₁₈ O ₆₂ 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.	1.0	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.	3.6	131
117	A non-hydrolytic sol-gel route to highly active MoO ₃ -SiO ₂ -Al ₂ O ₃ metathesis catalysts. <i>Catalysis Science and Technology</i> , 2012, 2, 1157.	2.1	42
118	Cu _x Cr _y O _z 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.	2.2	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.	2.2	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.	2.2	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.	10.8	49
122	Cu-modified cryptomelane oxide as active catalyst for CO oxidation reactions. <i>Applied Catalysis B: Environmental</i> , 2012, 123-124, 27-35.	10.8	95
123	Characterization of H _{3-x} PMo ₁₂ V _x O ₄₀ heteropolyacids supported on HMS mesoporous molecular sieve and their catalytic performance in propene oxidation. <i>Microporous and Mesoporous Materials</i> , 2012, 154, 153-163.	2.2	23
124	Low Temperature-High Selectivity Process over Supported Pd Nanoparticles in Partial Oxidation of Methanol. <i>ChemCatChem</i> , 2012, 4, 72-75.	1.8	9
125	One-Pot Aerosol Route to MoO ₃ -SiO ₂ -Al ₂ O ₃ Catalysts with Ordered Super Microporosity and High Olefin Metathesis Activity. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 2129-2131.	7.2	101
126	Influence of Graphite as a Shaping Agent of Bi Molybdate Powders on Their Mechanical, Physicochemical, and Catalytic Properties. <i>Industrial & Engineering Chemistry Research</i> , 2011, 50, 5467-5477.	1.8	15

#	ARTICLE	IF	CITATIONS
127	Sol-gel derived V ₂ O ₅ -TiO ₂ mesoporous materials as catalysts for the total oxidation of chlorobenzene. <i>Catalysis Communications</i> , 2011, 15, 1-5.	1.6	42
128	Benzimidazole adsorption on the external and interlayer surfaces of raw and treated montmorillonite. <i>Applied Clay Science</i> , 2011, 53, 366-373.	2.6	38
129	NbVO ₅ 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.	3.2	17
130	Effect of compressive stress inducing a band gap narrowing on the photoinduced activities of sol-gel TiO ₂ films. <i>Thin Solid Films</i> , 2011, 520, 1147-1154.	0.8	38
131	Flame-made MoO ₃ /SiO ₂ -Al ₂ O ₃ metathesis catalysts with highly dispersed and highly active molybdate species. <i>Journal of Catalysis</i> , 2011, 277, 154-163.	3.1	85
132	Necessary conditions for a synergy between Ag and V ₂ O ₅ in the total oxidation of chlorobenzene. <i>Catalysis Today</i> , 2011, 175, 177-182.	2.2	23
133	Evaluation of PCDD/F oxidation catalysts: Confronting studies on model molecules with tests on PCDD/F-containing gas stream. <i>Chemosphere</i> , 2011, 82, 1337-1342.	4.2	42
134	Genesis of active and inactive species during the preparation of MoO ₃ /SiO ₂ -Al ₂ O ₃ metathesis catalysts via wet impregnation. <i>Catalysis Today</i> , 2011, 169, 60-68.	2.2	45
135	Glycerol acetylation on sulphated zirconia in mild conditions. <i>Catalysis Today</i> , 2011, 167, 56-63.	2.2	74
136	Avoiding the deactivation of sulphated MoO _x /TiO ₂ catalysts in the photocatalytic cyclohexane oxidative dehydrogenation by a fluidized bed photoreactor. <i>Applied Catalysis A: General</i> , 2011, 394, 71-78.	2.2	38
137	Interpretation of the catalytic functionalities of CoMo/ASA FCC-naphtha-HDT catalysts based on its acid properties. <i>Journal of Molecular Catalysis A</i> , 2011, 335, 112-120.	4.8	11
138	Opposite effect of Al on the performances of MoO ₃ /SiO ₂ -Al ₂ O ₃ catalysts in the metathesis and in the partial oxidation of propene. <i>Applied Catalysis A: General</i> , 2011, 391, 78-85.	2.2	44
139	Effect of the chromium precursor nature on the physicochemical and catalytic properties of Cr-ZSM-5 catalysts: Application to the ammoxidation of ethylene. <i>Journal of Molecular Catalysis A</i> , 2011, 339, 8-16.	4.8	34
140	Preparation of MoO ₃ /SiO ₂ -Al ₂ O ₃ metathesis catalysts via wet impregnation with different Mo precursors. <i>Journal of Molecular Catalysis A</i> , 2011, 340, 65-76.	4.8	70
141	X-ray photoelectron spectroscopy study of nitrated zeolites. <i>Studies in Surface Science and Catalysis</i> , 2010, 175, 831-834.	1.5	0
142	Characterization and reactivity of aerogel sulfated zirconia-ceria catalyst for n-hexane isomerization. <i>Journal of Porous Materials</i> , 2010, 17, 545-551.	1.3	8
143	Catalytic combustion of toluene over cluster-derived gold/iron catalysts. <i>Applied Catalysis A: General</i> , 2010, 372, 138-146.	2.2	52
144	Characterization of alumina- and niobia-supported gold catalysts used for oxidation of glycerol. <i>Applied Catalysis A: General</i> , 2010, 384, 70-77.	2.2	42

#	ARTICLE	IF	CITATIONS
145	Preparation and characterization of HMS supported 11-molybdo-vanado-phosphoric acid for selective oxidation of propylene. <i>Microporous and Mesoporous Materials</i> , 2010, 130, 103-114.	2.2	40
146	One-step non-hydrolytic sol-gel preparation of efficient V ₂ O ₅ -TiO ₂ catalysts for VOC total oxidation. <i>Applied Catalysis B: Environmental</i> , 2010, 94, 38-45.	10.8	72
147	Factors controlling the development of the HYD route of desulfurization of DBT over γ -alumina supported Pt and Pd catalysts. <i>Catalysis Today</i> , 2010, 150, 186-195.	2.2	13
148	Operando investigation of the catalytic behavior of Wells-Dawson heteropolycompounds in the oxidation of propene. <i>Catalysis Today</i> , 2010, 155, 227-240.	2.2	9
149	Flame-made vs. wet-impregnated vanadia/titania in the total oxidation of chlorobenzene: Possible role of VO _x species. <i>Catalysis Today</i> , 2010, 157, 198-203.	2.2	39
150	Total oxidation of benzene and chlorobenzene with MoO ₃ - and WO ₃ -promoted V ₂ O ₅ /TiO ₂ catalysts prepared by a nonhydrolytic sol-gel route. <i>Catalysis Today</i> , 2010, 157, 125-130.	2.2	67
151	New Nb and Ta-FAU zeolites-Direct synthesis, characterisation and surface properties. <i>Catalysis Today</i> , 2010, 158, 170-177.	2.2	39
152	Design of nano-sized FeO _x and Au/FeO _x catalysts for total oxidation of VOC and preferential oxidation of CO. <i>Studies in Surface Science and Catalysis</i> , 2010, 175, 785-788.	1.5	4
153	Preparation of CMI-1 supported H ₃ -xPMo ₁₂ -xV _x O ₄₀ for the selective oxidation of propylene. <i>Studies in Surface Science and Catalysis</i> , 2010, , 665-669.	1.5	2
154	Ag-V ₂ O ₅ /TiO ₂ total oxidation catalyst: autocatalytic removal of the surfactant and synergy between silver and vanadia. <i>Studies in Surface Science and Catalysis</i> , 2010, 175, 805-809.	1.5	3
155	Supported Pd nanoparticles prepared by a modified water-in-oil microemulsion method. <i>Studies in Surface Science and Catalysis</i> , 2010, , 789-792.	1.5	15
156	Determination of the Size of Supported Pd Nanoparticles by X-ray Photoelectron Spectroscopy. Comparison with X-ray Diffraction, Transmission Electron Microscopy, and H ₂ Chemisorption Methods. <i>Journal of Physical Chemistry C</i> , 2010, 114, 16677-16684.	1.5	93
157	Thermal Spreading As an Alternative for the Wet Impregnation Method: Advantages and Downsides in the Preparation of MoO ₃ /SiO ₂ -Al ₂ O ₃ Metathesis Catalysts. <i>Journal of Physical Chemistry C</i> , 2010, 114, 18664-18673.	1.5	42
158	Nitrided Zeolites: A Spectroscopic Approach for the Identification and Quantification of Incorporated Nitrogen Species. <i>Journal of Physical Chemistry C</i> , 2010, 114, 4527-4535.	1.5	21
159	Incorporation of group five elements into the faujasite structure. <i>Studies in Surface Science and Catalysis</i> , 2010, , 445-448.	1.5	7
160	Study of the selectivity in FCC naphtha hydrotreating by modifying the acid-base balance of CoMo/ γ -Al ₂ O ₃ catalysts. <i>Applied Catalysis A: General</i> , 2010, 390, 59-70.	2.2	31
161	Facile preparation of MoO ₃ /SiO ₂ -Al ₂ O ₃ olefin metathesis catalysts by thermal spreading. <i>Studies in Surface Science and Catalysis</i> , 2010, , 581-585.	1.5	23
162	TiO ₂ doping by hydroxyurea at the nucleation stage: towards a new photocatalyst in the visible spectral range. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 11325.	1.3	18

#	ARTICLE	IF	CITATIONS
163	Development of the HYD route of hydrodesulfurization of dibenzothiophenes over Pd/Pt/Al ₂ O ₃ catalysts. <i>Journal of Catalysis</i> , 2009, 267, 129-139.	3.1	36
164	Exploring, Tuning, and Exploiting the Basicity of Hydrotalcites for Applications in Heterogeneous Catalysis. <i>Chemistry - A European Journal</i> , 2009, 15, 3920-3935.	1.7	450
165	Revisiting the Behaviour of Vanadia-Based Catalysts in the Abatement of (Chloro)-Aromatic Pollutants: Towards an Integrated Understanding. <i>Topics in Catalysis</i> , 2009, 52, 501-516.	1.3	62
166	Reorganization of Wells-Dawson Heteropoly Compounds During the Oxygen Assisted Catalytic Reaction of 2-butanol: Effect of the Oxido-Reduction Strength of the Working Conditions. <i>Topics in Catalysis</i> , 2009, 52, 1232-1241.	1.3	4
167	Effects of the Nitridation of Y and USY Zeolites on their Catalytic Activity for the Base Catalyzed Knoevenagel Condensation. <i>Topics in Catalysis</i> , 2009, 52, 1541-1548.	1.3	17
168	Photocatalytic cyclohexane oxidehydrogenation on sulphated MoO ₃ /Al ₂ O ₃ catalysts. <i>Catalysis Today</i> , 2009, 141, 367-373.	2.2	28
169	Structural rearrangement and catalytic properties of the Wells-Dawson (NH ₄) ₆ P ₂ Mo ₁₈ O ₆₂ heteropolycompound in the 2-butanol reaction. <i>Applied Catalysis A: General</i> , 2009, 357, 115-124.	2.2	12
170	Design of SiO ₂ -Al ₂ O ₃ -MoO ₃ Metathesis Catalysts by Nonhydrolytic Sol-Gel. <i>Chemistry of Materials</i> , 2009, 21, 2817-2824.	3.2	70
171	Elucidation of deactivation or resistance mechanisms of CrO _x , VO _x and MnO _x supported phases in the total oxidation of chlorobenzene via ToF-SIMS and XPS analyses. <i>Surface and Interface Analysis</i> , 2008, 40, 231-236.	0.8	56
172	A New Bio-Inspired Route to Metal-Nanoparticle-Based Heterogeneous Catalysts. <i>Small</i> , 2008, 4, 1806-1812.	5.2	31
173	Effect of the nature of the precursor on the morphology of MoO ₃ thin films spin-coated on Si (100). <i>Thin Solid Films</i> , 2008, 516, 2904-2912.	0.8	10
174	Abatement of model molecules for dioxin total oxidation on V ₂ O ₅ -WO ₃ /TiO ₂ catalysts: The case of substituted oxygen-containing VOC. <i>Journal of Molecular Catalysis A</i> , 2008, 289, 38-43.	4.8	40
175	Effect of the evacuation mode of solvent on the textural, structural and catalytic properties of sulfated zirconia doped with cerium. <i>Studies in Surface Science and Catalysis</i> , 2008, 174, 493-496.	1.5	5
176	Ag/SiO ₂ , Cu/SiO ₂ and Pd/SiO ₂ cogelled xerogel catalysts for benzene combustion: Relationships between operating synthesis variables and catalytic activity. <i>Catalysis Communications</i> , 2007, 8, 1244-1248.	1.6	46
177	On the structure-sensitivity of 2-butanol dehydrogenation over Cu/SiO ₂ cogelled xerogel catalysts. <i>Catalysis Communications</i> , 2007, 8, 2032-2036.	1.6	21
178	Formation of ZSM-22 Zeolite Catalytic Particles by Fusion of Elementary Nanorods. <i>Chemistry - A European Journal</i> , 2007, 13, 10070-10077.	1.7	77
179	Bismuth molybdates model catalysts with controlled crystallinities spin-coated on Si (100). <i>Catalysis Today</i> , 2007, 128, 145-152.	2.2	8
180	Parameters influencing the synergetic effect induced by vanadium incorporation on non-conventional (Al)(Ga)PO supports for the propane ammoxidation. <i>Catalysis Today</i> , 2007, 128, 168-175.	2.2	4

#	ARTICLE	IF	CITATIONS
181	Total oxidation of Cl-containing VOCs over mixed heteropoly compounds derived catalysts. <i>Catalysis Today</i> , 2007, 128, 208-215.	2.2	5
182	The surface and catalytic properties of titania-supported mixed PMoV heteropoly compounds for total oxidation of chlorobenzene. <i>Applied Catalysis A: General</i> , 2007, 319, 14-24.	2.2	36
183	The role of crystalline structure of molybdenum oxide catalysts onto the activity and stability in sulfoxidation of thioethers. <i>Applied Catalysis A: General</i> , 2007, 325, 283-289.	2.2	4
184	Promoter role of V ₂ O ₅ on vanadium supported Al _{0.5} Ga _{0.5} PO ₄ catalysts during propane ammoxidation. <i>Applied Catalysis A: General</i> , 2007, 325, 296-302.	2.2	9
185	New supported vanadia catalysts for oxidation reactions prepared by sputter deposition. <i>Journal of Catalysis</i> , 2007, 245, 156-172.	3.1	30
186	Understanding the activation mechanism induced by NO _x on the performances of VO _x /TiO ₂ based catalysts in the total oxidation of chlorinated VOCs. <i>Applied Catalysis B: Environmental</i> , 2007, 70, 360-369.	10.8	78
187	Investigation of the preparation and activity of gold catalysts in the total oxidation of n-hexane. <i>Applied Catalysis B: Environmental</i> , 2007, 70, 406-416.	10.8	40
188	On the impact of the choice of model VOC in the evaluation of V-based catalysts for the total oxidation of dioxins: Furan vs. chlorobenzene. <i>Applied Catalysis B: Environmental</i> , 2007, 74, 223-232.	10.8	80
189	Tuning the selectivity of MoO _x supported catalysts for cyclohexane photo oxidehydrogenation. <i>Catalysis Today</i> , 2007, 128, 251-257.	2.2	36
190	Spin-coating of Mixed Citrate Complexes as a Versatile Route to Prepare Films of Transition Metal Multi-element Oxide Model Catalysts with Controlled Formulation and Crystalline Structure. <i>Studies in Surface Science and Catalysis</i> , 2006, 162, 745-752.	1.5	2
191	Comparative study of the sulfur loss in the xerogel and aerogel sulfated zirconia calcined at different temperatures: effect on n-hexane isomerization. <i>Studies in Surface Science and Catalysis</i> , 2006, 162, 953-960.	1.5	18
192	Toluene oxidation in a plasma-catalytic system. <i>Journal of Applied Physics</i> , 2006, 99, 123301.	1.1	40
193	Nitridation of ultrastable Y zeolite: Influence of experimental parameters. <i>Studies in Surface Science and Catalysis</i> , 2006, 162, 857-864.	1.5	1
194	Parameters controlling the scaling-up of a V-Al oxynitride catalyst for the ammoxidation of propane. <i>Studies in Surface Science and Catalysis</i> , 2006, 162, 187-194.	1.5	7
195	Catalysts for chlorinated VOCs abatement: Multiple effects of water on the activity of VO _x based catalysts for the combustion of chlorobenzene. <i>Catalysis Today</i> , 2006, 112, 165-168.	2.2	64
196	High surface area MoO ₃ -TeO ₂ -Nb ₂ O ₅ catalysts: Preparation, characterization and catalytic behaviour in ammoxidation of propane. <i>Catalysis Today</i> , 2006, 112, 139-142.	2.2	7
197	Extent of the participation of lattice oxygen from ¹³ C-MnO ₂ in VOCs total oxidation: Influence of the VOCs nature. <i>Catalysis Today</i> , 2006, 117, 350-355.	2.2	74
198	The influence of the hydrogen origin at the surface of Mo suboxide during the deoxygenation of carboxylic acid. <i>Catalysis Today</i> , 2006, 112, 130-133.	2.2	5

#	ARTICLE	IF	CITATIONS
199	The deoxygenation of benzoic acid as a probe reaction to determine the impact of superficial oxygen vacancies (isolated or twin) on the oxidation performances of Mo-based oxide catalysts. <i>Catalysis Today</i> , 2006, 117, 46-52.	2.2	8
200	Bifunctional catalytic isomerization of decane over MTT-type aluminosilicate zeolite crystals with siliceous rim. <i>Journal of Catalysis</i> , 2006, 239, 451-459.	3.1	36
201	Nanostructured Pd/C catalysts prepared by grafting of model carboxylate complexes onto functionalized carbon. <i>Journal of Catalysis</i> , 2006, 243, 239-251.	3.1	53
202	Systematic investigation of supported transition metal oxide based formulations for the catalytic oxidative elimination of (chloro)-aromatics. <i>Applied Catalysis B: Environmental</i> , 2006, 66, 1-9.	10.8	140
203	Systematic investigation of supported transition metal oxide based formulations for the catalytic oxidative elimination of (chloro)-aromatics. <i>Applied Catalysis B: Environmental</i> , 2006, 66, 10-22.	10.8	112
204	Supported vanadium oxide nanoparticles: effect of preparation method, support and type of precursor on the catalytic performances in the ODH of methanol to formaldehyde. <i>Studies in Surface Science and Catalysis</i> , 2006, , 697-704.	1.5	4
205	Preparation of Mo-V-Te-Nb mixed oxides using the template route. <i>Studies in Surface Science and Catalysis</i> , 2006, , 769-776.	1.5	0
206	Positive effect of NO on the performances of VO/TiO-based catalysts in the total oxidation abatement of chlorobenzene. <i>Journal of Catalysis</i> , 2005, 230, 493-498.	3.1	98
207	Evidence for the participation of lattice nitrogen from vanadium aluminum oxynitrides in propane ammoxidation. <i>Journal of Catalysis</i> , 2005, 232, 152-160.	3.1	42
208	Plasma-assisted catalysis for volatile organic compounds abatement. <i>Applied Catalysis B: Environmental</i> , 2005, 61, 12-20.	10.8	126
209	Coupling the deoxygenation of benzoic acid with the oxidation of propylene on a Co molybdate catalyst. <i>Journal of Molecular Catalysis A</i> , 2005, 237, 9-16.	4.8	10
210	Modulation of selective sites by introduction of N ₂ O, CO ₂ and H ₂ as gaseous promoters into the feed during oxidation reactions. <i>Catalysis Today</i> , 2005, 99, 217-226.	2.2	20
211	Skeletal isomerization of octadecane on bifunctional ZSM-23 zeolite catalyst. <i>Catalysis Letters</i> , 2005, 100, 235-242.	1.4	42
212	Probing the reduction state of Mo oxide catalysts by the deoxygenation of carboxylic acid. <i>Catalysis Today</i> , 2004, 91-92, 111-116.	2.2	7
213	Sulfur resistance and high activity of hydrated manganese sulfate in the catalytic oxidation of methanethiol. <i>Journal of Catalysis</i> , 2004, 222, 255-259.	3.1	10
214	Modification of active catalytic sites with N ₂ O and CO ₂ as gas promoters during oxidation reactions. <i>Catalysis Today</i> , 2004, 91-92, 27-31.	2.2	9
215	Influence of the reduction state in the bulk and at the surface on the behavior of MoO ₃ catalysts in the reaction of 2-butanol (dehydration versus oxidation) in the presence of oxygen. <i>Catalysis Today</i> , 2004, 91-92, 105-110.	2.2	12
216	Sulfation Mechanism and Catalytic Behavior of Manganese Oxide in the Oxidation of Methanethiol. <i>Journal of Physical Chemistry B</i> , 2004, 108, 9989-10001.	1.2	24

#	ARTICLE	IF	CITATIONS
217	The active role of CO ₂ at low temperature in oxidation processes: the case of the oxidative dehydrogenation of propane on NiMoO ₄ catalysts. <i>Applied Catalysis A: General</i> , 2003, 242, 187-203.	2.2	70
218	Interaction of N ₂ O (as gas dope) with nickel molybdate catalysts during the oxidative dehydrogenation of propane to propylene. <i>Applied Catalysis A: General</i> , 2003, 247, 231-246.	2.2	27
219	An attempt to explain the role of CO ₂ and N ₂ O as gas dopes in the feed in the oxidative dehydrogenation of propane. <i>Catalysis Today</i> , 2003, 81, 95-105.	2.2	33
220	Oxidation of 2-thiobenzyl-4,6-dimethyl-pyrimidine with hydrogen peroxide over Mo oxides, Mo suboxides and mixed Mo-Sb oxides catalysts. <i>Catalysis Communications</i> , 2003, 4, 5-9.	1.6	6
221	Operando resonance Raman spectroscopic characterisation of the oxidation state of palladium in Pd/Al ₂ O ₃ catalysts during the combustion of methane. <i>Physical Chemistry Chemical Physics</i> , 2003, 5, 4394-4401.	1.3	64
222	Role of the mutual contamination in the synergetic effects between MoO ₃ and SnO ₂ . <i>Thermochimica Acta</i> , 2002, 388, 27-40.	1.2	14
223	A crystalline SbRe ₂ O ₆ catalyst active for selective ammoxidation of isobutylene and propene. <i>Catalysis Letters</i> , 2001, 71, 75-79.	1.4	9
224	Morphology of crystalline γ -MoO ₃ thin films spin-coated on Si (100). <i>Thin Solid Films</i> , 2000, 374, 49-58.	0.8	33
225	New insights in the understanding of the behaviour and performances of bismuth molybdate catalysts in the oxygen-assisted dehydration of 2-butanol. <i>Catalysis Today</i> , 2000, 61, 279-285.	2.2	27
226	Novel Re-Sb-O catalysts for the selective oxidation of isobutane and isobutylene. <i>Applied Catalysis A: General</i> , 2000, 202, 251-264.	2.2	25
227	Dynamic phenomena and catalytic reactivities of oxide surfaces. <i>Applied Catalysis A: General</i> , 2000, 202, 265-283.	2.2	25
228	Title is missing!. <i>Topics in Catalysis</i> , 2000, 11/12, 185-193.	1.3	18
229	Influence of the precursor (nature and amount) on the morphology of MoO ₃ crystallites supported on silica. <i>Studies in Surface Science and Catalysis</i> , 2000, , 609-617.	1.5	8
230	Catalytic Behavior of Molybdenum Suboxides in the Selective Oxidation of Isobutene to Methacrolein. <i>Journal of Physical Chemistry B</i> , 2000, 104, 5724-5737.	1.2	27
231	Performance and Characterization of Novel Re-Sb-O Catalysts Active for the Selective Oxidation of Isobutylene to Methacrolein. <i>Journal of Physical Chemistry B</i> , 2000, 104, 2033-2043.	1.2	21
232	Application of scanning probe microscopies to oxide catalysts. <i>Current Opinion in Solid State and Materials Science</i> , 1998, 3, 343-353.	5.6	6
233	Catalytic Performances and Stability of Three Sb-Mo-O Phases in the Selective Oxidation of Isobutene to Methacrolein. <i>Journal of Physical Chemistry B</i> , 1998, 102, 10542-10555.	1.2	23
234	Spillover-induced synergetic effects and reconstructions of oxides surfaces during oxidation reactions. <i>Studies in Surface Science and Catalysis</i> , 1997, 112, 179-190.	1.5	7

#	ARTICLE	IF	CITATIONS
235	Synergetic effects promoted by in operandi surface reconstructions of oxides. <i>Studies in Surface Science and Catalysis</i> , 1997, 110, 185-196.	1.5	8
236	Catalytic synergy via spillover at low temperature: the dehydration and dehydrogenation of sec-butanol in the presence of oxygen. <i>Catalysis Today</i> , 1997, 33, 151-160.	2.2	13
237	A New Application of Atomic Force Microscopy: The Visualization of Coke on Selective Oxidation Catalysts. <i>Journal of Catalysis</i> , 1997, 172, 247-251.	3.1	10
238	Atomic force and scanning electron microscopic investigation of the in operandi creation of selective sites on MoO ₃ mixed with γ -Sb ₂ O ₄ in the isobutene to methacrolein oxidation. <i>Applied Surface Science</i> , 1997, 121-122, 552-557.	3.1	24
239	Catalytic Cooperation via Spillover of Oxygen: Dehydration/Dehydrogenation of 2-Butanol over SnO ₂ /MoO ₃ Catalysts. <i>ACS Symposium Series</i> , 1996, , 330-346.	0.5	5
240	Epoxidation of cyclohexene by iron and cobalt phthalocyanines, study of the side reactions. <i>Journal of Molecular Catalysis A</i> , 1996, 109, 67-74.	4.8	27
241	Further on the mechanism of the synergy between MoO ₃ and γ -Sb ₂ O ₄ in the selective oxidation of isobutene to methacrolein: Reconstruction of MoO ₃ via spillover oxygen. <i>Catalysis Today</i> , 1996, 32, 37-46.	2.2	56
242	Highly active and stable Co (Co ₃ O ₄) ₂ Sm ₂ O ₃ nano-crystallites derived from Sm ₂ Co ₇ and SmCo ₅ intermetallic compounds in NH ₃ synthesis and CO ₂ conversion. <i>Catalysis Science and Technology</i> , 0, , .	2.1	0