Vasile I Parvulescu

List of Publications by Year
in descending order

253	12,904	47409 49	34195 103
papers	citations	h-index	g-index

283	283	283	15590
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Catalytic transformation of the marine polysaccharide ulvan into rare sugars, tartaric and succinic acids. Catalysis Today, 2022, 383, 345-357.	2.2	15
2	Unexpected kinetic behavior of structured Pd/CeO2â€“ZrO2 toward undesired ammonia formation and consumption during nitrites reduction: Role of the reactivity of oxygen from ceria. Catalysis Today, 2022, 383, 330-338.	2.2	4
3	Doped microporous graphitic carbons as metal-free catalysts for the selective hydrogenation of alkynes to alkenes. Journal of Catalysis, 2022, 405, 355-362.	3.1	8
4	Sonogashira Synthesis of New Porous Aromatic Framework-Entrapped Palladium Nanoparticles as Heterogeneous Catalysts for Suzukiâ€“Miyaura Cross-Coupling. ACS Applied Materials & Interfaces, 2022, 14, 10428-10437.	4.0	18
5	Recent Progress and Prospects in Catalytic Water Treatment. Chemical Reviews, 2022, 122, 2981-3121.	23.0	139
6	High C2-C4 selectivity in CO2 hydrogenation by particle size control of Co-Fe alloy nanoparticles wrapped on N-doped graphitic carbon. IScience, 2022, 25, 104252.	1.9	6
7	Hierarchically MOx@Nb-zeolites for the selective oxidation of HMF to HMFCA. Catalysis Today, 2022, 405-406, 267-276.	2.2	5
8	An Advanced Approach for MgZnAl-LDH Catalysts Synthesis Used in Claisen-Schmidt Condensation. Catalysts, 2022, 12, 759.	1.6	2
9	Alternative lignopolymer-based composites useful as enhanced functionalized support for enzymes immobilization. Catalysis Today, 2021, 379, 222-229.	2.2	3
10	Catalytic behavior of Li-Al-LDH prepared via mechanochemical and co-precipitation routes for cyanoethylation reaction. Catalysis Today, 2021, 366, 227-234.	2.2	17
11	Sequential biocatalytic decomposition of BHET as valuable intermediator of PET recycling strategy. Catalysis Today, 2021, 366, 177-184.	2.2	14
12	Niobia-based magnetic nanocomposites: Design and application in direct glucose dehydration to HMF. Catalysis Today, 2021, 366, 48-56.	2.2	7
13	Improvement of catalytic activity of graphene oxide by plasma treatment. Catalysis Today, 2021, 366, 2-9.	2.2	7
14	Cascade Biocatalysis Designed for the Allylic Oxidation of Î±-Pinene. Catalysts, 2021, 11, 134.	1.6	4
15	Engineering hydrogenation active sites on graphene oxide and N-doped graphene by plasma treatment. Applied Catalysis B: Environmental, 2021, 287, 119962.	10.8	12
16	Coâ€“Fe Clusters Supported on N-Doped Graphitic Carbon as Highly Selective Catalysts for Reverse Water Gas Shift Reaction. ACS Sustainable Chemistry and Engineering, 2021, 9, 9264-9272.	3.2	16
17	Coâ€“Fe Nanoparticles Wrapped on N-Doped Graphitic Carbons as Highly Selective CO₂ Methanation Catalysts. ACS Applied Materials & Interfaces, 2021, 13, 36976-36981.	4.0	12
18	Cold-Active Lipase-Based Biocatalysts for Silymarin Valorization through Biocatalytic Acylation of Silybin. Catalysts, 2021, 11, 1390.	1.6	0

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19	Diastereoselective hydrogenation of Formoterol intermediate over M(Ir, Pd, Pt, Rh, Ru)/BEA zeolite catalysts. Catalysis Today, 2020, 354, 100-108.	2.2	0
20	Selective hydrogenation of nitroderivatives over Au/TiO2/UVM-7 composite catalyst. Catalysis Today, 2020, 355, 893-902.	2.2	6
21	Magnetic Fe@Y Composites as Efficient Recoverable Catalysts for the Valorization of the Recalcitrant Marine Sulfated Polysaccharide Ulvan. ACS Sustainable Chemistry and Engineering, 2020, 8, 319-328.	3.2	6
22	Solvent-free ketalization of polyols over germanosilicate zeolites: the role of the nature and strength of acid sites. Catalysis Science and Technology, 2020, 10, 8254-8264.	2.1	17
23	Mechano-chemical versus co-precipitation for the preparation of Y-modified LDHs for cyclohexene oxidation and Claisen-Schmidt condensations. Applied Catalysis A: General, 2020, 605, 117797.	2.2	13
24	Nanometer-thick films of antimony oxide nanoparticles grafted on defective graphenes as heterogeneous base catalysts for coupling reactions. Journal of Catalysis, 2020, 390, 135-149.	3.1	5
25	Optimized Nb-Based Zeolites as Catalysts for the Synthesis of Succinic Acid and FDCA. Molecules, 2020, 25, 4885.	1.7	11
26	Advances in Heterogeneous Catalysis: Concepts of Nanocatalysis and Single-Atom Catalysis. ACS Symposium Series, 2020, , 1-49.	0.5	1
27	Multifunctional nanocomposites with non-precious metals and magnetic core for 5-HMF oxidation to FDCA. Applied Catalysis B: Environmental, 2020, 278, 119309.	10.8	54
28	âˆž3[Cu2(mand)2(hmt)]â€“MOF: A Synergetic Effect between Cu(II) and Hexamethylenetetramine in the Henry Reaction. Chemistry, 2020, 2, 50-62.	0.9	4
29	Hypercoordinated diorganoantimony(III) compounds of types [2â€(Me 2 NCH 2)C 6 H 4] 2 SbL and [PhCH 2 N(CH 2 C 6 H 4) 2]SbL (L = Cl, ONO 2 , OSO 2 CF 3). Synthesis, structure and catalytic behaviou. Applied Organometallic Chemistry, 2020, 34, e5393.	1.7	4
30	Nâ€Ðoped Defective Graphene from Biomass as Catalyst for CO₂ Hydrogenation to Methane. ChemCatChem, 2019, 11, 985-990.	1.8	39
31	Efficient glucose dehydration to HMF onto Nb-BEA catalysts. Catalysis Today, 2019, 325, 109-116.	2.2	67
32	SCILLs as selective catalysts for the oxidation of aromatic alcohols. Catalysis Today, 2019, 333, 140-146.	2.2	11
33	Nitrogen-doped graphene as metal free basic catalyst for coupling reactions. Journal of Catalysis, 2019, 376, 238-247.	3.1	18
34	Batch versus flow stereoselective hydrogenation of Î±-acetamido-cinnamic acid catalyzed by an Au(I) complex. Molecular Catalysis, 2019, 474, 110420.	1.0	1
35	Phase Control in Hafnia: New Synthesis Approach and Convergence of Average and Local Structure Properties. ACS Omega, 2019, 4, 8881-8891.	1.6	15
36	Peculiar kinetic properties of Cu-doped Pd/CexZr1-xO2 in water denitrification: Impact of Pd-Cu interaction vs structural properties of CexZr1-xO2. Applied Catalysis B: Environmental, 2019, 253, 391-400.	10.8	13

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37	Synergistic B Al interaction in SBA-15 affording an enhanced activity for the hydro-isomerization of heptane over Pt B Al-SBA-15 catalysts. Microporous and Mesoporous Materials, 2019, 281, 142-147.	2.2	9
38	Advances in porous and nanoscale catalysts for viable biomass conversion. Chemical Society Reviews, 2019, 48, 2366-2421.	18.7	457
39	Spirobifluoreneâ€based Porous Organic Polymers as Efficient Porous Supports for Pd and Pt for Selective Hydrogenation. ChemCatChem, 2019, 11, 538-549.	1.8	22
40	CO2 methanation catalyzed by oriented MoS2 nanoplatelets supported on few layers graphene. Applied Catalysis B: Environmental, 2019, 245, 351-359.	10.8	56
41	Core-Magnetic Composites Catalysts for the Valorization and Up-grading of the Renewable Feedstocks: A Minireview. Current Catalysis, 2019, 8, 2-19.	0.5	1
42	High efficiency plasma treatment of water contaminated with organic compounds. Study of the degradation of ibuprofen. Plasma Processes and Polymers, 2018, 15, 1700201.	1.6	21
43	Catalytic Properties of 3D Graphene-Like Microporous Carbons Synthesized in a Zeolite Template. ACS Catalysis, 2018, 8, 1779-1789.	5.5	40
44	Engineering active sites on reduced graphene oxide by hydrogen plasma irradiation: mimicking bifunctional metal/supported catalysts in hydrogenation reactions. Green Chemistry, 2018, 20, 2611-2623.	4.6	21
45	Levulinate-intercalated LDH: A potential heterogeneous organocatalyst for the green epoxidation of Î±,Î²-unsaturated esters. Catalysis Today, 2018, 306, 154-165.	2.2	9
46	ZSM-5/SBA-15 versus Al-SBA-15 as supports for the hydrocracking/hydroisomerization of alkanes. Catalysis Today, 2018, 306, 121-127.	2.2	21
47	Impact of SCILL catalysts for the Sâ€“S coupling of thiols to disulfides. Faraday Discussions, 2018, 206, 535-547.	1.6	5
48	Doped ceria prepared by precipitation route for steam reforming of methane. Catalysis Today, 2018, 306, 166-171.	2.2	18
49	Peroxidase-based biocatalysis in a two-phase system for allylic oxidation of Î±-pinene. Catalysis Today, 2018, 306, 199-206.	2.2	16
50	Catalytic features of Nb-based nanoscopic inorganic fluorides for an efficient one-pot conversion of cellulose to lactic acid. Catalysis Today, 2018, 306, 102-110.	2.2	9
51	New organic-inorganic LDH composites: Synthesis, characterization and catalytic behavior in the green epoxidation of Î±, Î²-unsaturated esters. Inorganica Chimica Acta, 2018, 475, 127-132.	1.2	5
52	Peroxidase-based oxidative polymerization of monolignols. Comptes Rendus Chimie, 2018, 21, 362-368.	0.2	7
53	Support-induced effect on the catalytic properties of Pd particles in water denitrification: Impact of surface and structural features of mesoporous ceria-zirconia support. Applied Catalysis B: Environmental, 2018, 224, 648-659.	10.8	21
54	Upgrade of 5-Hydroxymethylfurfural to Dicarboxylic Acids onto Multifunctional-Based Fe₃O₄@SiO₂ Magnetic Catalysts. ACS Sustainable Chemistry and Engineering, 2018, 6, 14292-14301.	3.2	31

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55	Bimetallic Oriented (Au/Cu₂O) vs. Monometallic 1.1.1 Au (0) or 2.0.0 Cu₂O Grapheneâ€Supported Nanoplatelets as Very Efficient Catalysts for Michael and Henry Additions. European Journal of Organic Chemistry, 2018, 2018, 6185-6190.	1.2	3
56	Functionalised heterogeneous catalysts for sustainable biomass valorisation. Chemical Society Reviews, 2018, 47, 8349-8402.	18.7	493
57	Highly Efficient, Easily Recoverable, and Recyclable Reâ€“SiO2â€“Fe3O4Catalyst for the Fragmentation of Lignin. ACS Sustainable Chemistry and Engineering, 2018, 6, 9606-9618.	3.2	17
58	One-Pot Enzymatic Production of Lignin-Composites. Frontiers in Chemistry, 2018, 6, 124.	1.8	9
59	Graphene Film-Supported Oriented 1.1.1 Gold(0) Versus 2.0.0 Copper(I) Nanoplatelets as Very Efficient Catalysts for Coupling Reactions. Topics in Catalysis, 2018, 61, 1449-1457.	1.3	3
60	Heterogeneous catalysis based on supramolecular association. Catalysis Science and Technology, 2018, 8, 4834-4857.	2.1	13
61	From Glucose Direct to Succinic Acid: an Optimized Recyclable Bi-functional Ru@MNP-MWCNT Catalyst. Topics in Catalysis, 2018, 61, 1866-1876.	1.3	6
62	Enhancement of the valorization of renewable glycerol: The effects of the surfactant-enzyme interaction on the biocatalytic synthesis of glycerol carbonate. Catalysis Today, 2017, 279, 71-76.	2.2	17
63	Protonated titanate nanotubes as solid acid catalyst for aldol condensation. Journal of Catalysis, 2017, 346, 161-169.	3.1	30
64	Selective catalytic reduction of NO by H2/C3H6 over Pt/Ce1-xZrxO2-Î´: The synergy effect studied by transient techniques. Applied Catalysis B: Environmental, 2017, 206, 308-318.	10.8	32
65	Mesoporous Tantalum Oxide Photocatalyst: Structure and Activity Evaluation. ChemistrySelect, 2017, 2, 421-427.	0.7	10
66	Lignin Fragmentation onto Multifunctional Fe₃O₄@Nb₂O₅@Co@Re Catalysts: The Role of the Composition and Deposition Route of Rhenium. ACS Catalysis, 2017, 7, 3257-3267.	5.5	28
67	High hexitols selectivity in cellulose hydrolytic hydrogenation over platinum (Pt) vs. ruthenium (Ru) catalysts supported on micro/mesoporous carbon. Applied Catalysis B: Environmental, 2017, 214, 1-14.	10.8	57
68	Degradation of the chlorophenoxyacetic herbicide 2,4-D by plasma-ozonation system. Journal of Hazardous Materials, 2017, 336, 52-56.	6.5	67
69	RuCl₃ Supported on Nâ€Doped Graphene as a Reusable Catalyst for the Oneâ€Step Glucose Oxidation to Succinic Acid. ChemCatChem, 2017, 9, 3314-3321.	1.8	20
70	Intermediate selectivity in the oxidation of phenols using plasmonic Au/ZnO photocatalysts. Nanoscale, 2017, 9, 9359-9364.	2.8	8
71	Mechanochemical versus co-precipitated synthesized lanthanum-doped layered materials for olefin oxidation. Applied Catalysis A: General, 2017, 542, 10-20.	2.2	18
72	Direct conversion of cellulose to Î±-hydroxy acids (AHAs) over Nb2O5-SiO2-coated magnetic nanoparticles. Green Processing and Synthesis, 2017, 6, .	1.3	11

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73	Heterocyclic bismuth(<scp>iii</scp>) compounds with transannular Nâ†'Bi interactions as catalysts for the oxidation of thiophenol to diphenyldisulfide. Catalysis Science and Technology, 2017, 7, 5343-5353.	2.1	25
74	Oriented Au nanoplatelets on graphene promote Suzuki-Miyaura coupling with higher efficiency and different reactivity pattern than supported palladium. Journal of Catalysis, 2017, 352, 59-66.	3.1	16
75	N-Doped graphene as a metal-free catalyst for glucose oxidation to succinic acid. Green Chemistry, 2017, 19, 1999-2005.	4.6	50
76	Isotopic H/D exchange on graphenes. A combined experimental and theoretical study. Applied Catalysis A: General, 2017, 547, 52-59.	2.2	11
77	Graphene oxide as a catalyst for the diastereoselective transfer hydrogenation in the synthesis of prostaglandin derivatives. Chemical Communications, 2017, 53, 10271-10274.	2.2	8
78	Enhanced photo-degradation of bisphenol pollutants onto gold-modified photocatalysts. Catalysis Today, 2017, 284, 153-159.	2.2	27
79	Efficient magnetic recoverable acid-functionalized-carbon catalysts for starch valorization to multiple bio-chemicals. Catalysis Today, 2017, 279, 45-55.	2.2	14
80	Nb-Based Zeolites: Efficient bi-Functional Catalysts for the One-Pot Synthesis of Succinic Acid from Glucose. Molecules, 2017, 22, 2218.	1.7	20
81	Mesoporous Materials Incorporating Metal Triflates. , 2016, , 219-271.		1
82	Oneâ€Step Pyrolysis Preparation of 1.1.1 Oriented Gold Nanoplatelets Supported on Graphene and Six Orders of Magnitude Enhancement of the Resulting Catalytic Activity. Angewandte Chemie - International Edition, 2016, 55, 607-612.	7.2	37
83	Hydrogenation of Condensed Aromatic Compounds over Mesoporous Bifunctional Catalysts Following a Dielsâ€"Alder Adduct Pathway. ChemCatChem, 2016, 8, 1146-1156.	1.8	12
84	Graphene from Alginate Pyrolysis as a Metalâ€Free Catalyst for Hydrogenation of Nitro Compounds. ChemSusChem, 2016, 9, 1565-1569.	3.6	62
85	Oxidation of 5-hydroxymethyl furfural to 2,5-diformylfuran in aqueous media over heterogeneous manganese based catalysts. Catalysis Today, 2016, 278, 66-73.	2.2	63
86	Lignin fragmentation over magnetically recyclable composite Co@Nb2O5@Fe3O4 catalysts. Journal of Catalysis, 2016, 339, 209-227.	3.1	37
87	Impact of structured catalysts in amine oxidation under mild conditions. Catalysis Today, 2016, 273, 266-272.	2.2	0
88	Bifunctional carbohydrate biopolymers entrapped lipase as catalyst for the two consecutive conversions of Î±-pinene to oxy-derivatives. Carbohydrate Polymers, 2016, 152, 726-733.	5.1	11
89	A new chiral dimanganese(<scp>iii</scp>) complex: synthesis, crystal structure, spectroscopic, magnetic, and catalytic properties. RSC Advances, 2016, 6, 86569-86574.	1.7	3
90	New evidence on the formation of oxidizing species in corona discharge in contact with liquid and their reactions with organic compounds. Chemosphere, 2016, 165, 507-514.	4.2	32

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91	Synthesis of Terephthalic Acid by pâ€Cymene Oxidation using Oxygen: Toward a More Sustainable Production of Bioâ€Polyethylene Terephthalate. ChemSusChem, 2016, 9, 3102-3112.	3.6	40
92	Câ€“N cross-coupling on supported copper catalysts: The effect of the support, oxidation state, base and solvent. Journal of Catalysis, 2016, 341, 205-220.	3.1	14
93	Unprecedented Catalytic Wet Oxidation of Glucose to Succinic Acid Induced by the Addition of nâ€Butylamine to a Ru^{III} Catalyst. ChemSusChem, 2016, 9, 2307-2311.	3.6	32
94	Biocatalytic epoxidation of Î±-pinene to oxy-derivatives over cross-linked lipase aggregates. Journal of Molecular Catalysis B: Enzymatic, 2016, 134, 9-15.	1.8	21
95	The effect of phosphorus on the catalytic performance of nickel oxide in ethane oxidative dehydrogenation. Catalysis Science and Technology, 2016, 6, 6953-6964.	2.1	34
96	An adamantane-based COF: stability, adsorption capability, and behaviour as a catalyst and support for Pd and Au for the hydrogenation of nitrostyrene. Catalysis Science and Technology, 2016, 6, 8344-8354.	2.1	24
97	Synthesis of ceria nanopowders by microwave-assisted hydrothermal method for dry reforming of methane. International Journal of Hydrogen Energy, 2016, 41, 2512-2525.	3.8	39
98	Cross-coupling of p-xylene to 2,2â€²,5,5â€²-tetramethyl 1,1â€²-biphenyl on supported vanadia catalysts. Applied Catalysis A: General, 2016, 514, 71-82.	2.2	1
99	Synthesis of New Alkynyl-Bridged 2,5-Disubstituted 1,3,4-Oxadiazoles. Synthesis, 2016, 48, 606-614.	1.2	7
100	Liquid-phase oxidation with hydrogen peroxide of benzyl alcohol and xylenes on Ca10(PO4)6(OH)2 â€“ CaWO4. Comptes Rendus Chimie, 2016, 19, 1156-1165.	0.2	2
101	Selective oxidation of 5-hydroxymethyl furfural over non-precious metal heterogeneous catalysts. Applied Catalysis B: Environmental, 2016, 180, 751-757.	10.8	112
102	Catalytic abatement of NO and N2O from nitric acid plants: A novel approach using noble metal-modified perovskites. Journal of Catalysis, 2015, 328, 236-247.	3.1	29
103	Degradation of pharmaceutical compounds in water by non-thermal plasma treatment. Water Research, 2015, 81, 124-136.	5.3	230
104	Layered materials of LDH-type containing Zn ions: Dielectric measurements show rotational fluctuations of water molecules. , 2015, , .		0
105	d -Glucose hydrogenation/hydrogenolysis reactions on noble metal (Ru, Pt)/activated carbon supported catalysts. Catalysis Today, 2015, 257, 281-290.	2.2	81
106	Dry reforming of methane on ceria prepared by modified precipitation route. Applied Catalysis A: General, 2015, 494, 29-40.	2.2	47
107	Mesostructured vanadiaâ€“alumina catalysts for the synthesis of vitamin K3. Catalysis Today, 2015, 254, 29-35.	2.2	27
108	Direct oxidation of amines to nitriles in the presence of ruthenium-terpyridyl complex immobilized on ILs/SILP. Catalysis Science and Technology, 2015, 5, 2696-2704.	2.1	18

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109	Impact of Deactivation Phenomena on Kinetics of the Câ€“N Coupling Reaction over Supported Cu2O Catalysts in Continuous-Flow Conditions. Journal of Physical Chemistry C, 2015, 119, 18422-18433.	1.5	8
110	Heterogeneous Gold Catalyst: Synthesis, Characterization, and Application in 1,4-Addition of Boronic Acids to Enones. ACS Catalysis, 2015, 5, 5060-5067.	5.5	19
111	Nonprecious Metals Catalyzing Hydroamination and Câ€“N Coupling Reactions. Organic Process Research and Development, 2015, 19, 1327-1355.	1.3	88
112	Deoxygenation of oleic acid: Influence of the synthesis route of Pd/mesoporous carbon nanocatalysts onto their activity and selectivity. Applied Catalysis A: General, 2015, 504, 81-91.	2.2	46
113	Local structure in CeO2 and CeO2â€“ZrO2 nanoparticles probed by Eu luminescence. Catalysis Today, 2015, 253, 33-39.	2.2	23
114	NbF₅â€“AlF₃ Catalysts: Design, Synthesis, and Application in Lactic Acid Synthesis from Cellulose. ACS Catalysis, 2015, 5, 3013-3026.	5.5	66
115	High catalytic activity of oriented 2.0.0 copper(I) oxide grown on graphene film. Nature Communications, 2015, 6, 8561.	5.8	63
116	Magnetic nanocomposites for an efficient valorization of biomass. Journal of Applied Physics, 2015, 117, 17D724.	1.1	12
117	Convenient synthesis of 2-alkynylbenzazoles through Sonogashira cross-coupling reaction between thioethers and terminal alkynes. Tetrahedron Letters, 2015, 56, 5349-5352.	0.7	10
118	New Zn(II) Coordination Polymers Constructed from Amino-Alcohols and Aromatic Dicarboxylic Acids: Synthesis, Structure, Photocatalytic Properties, and Solid-State Conversion to ZnO. Crystal Growth and Design, 2015, 15, 799-811.	1.4	18
119	Arylation of alkynes over hydrotalcite docked Rh-m-TPPTC complex. Catalysis Today, 2015, 247, 155-162.	2.2	6
120	Efficient magnetic and recyclable SBILC (supported basic ionic liquid catalyst)-based heterogeneous organocatalysts for the asymmetric epoxidation of trans-methylcinnamate. Catalysis Science and Technology, 2015, 5, 729-737.	2.1	16
121	Heterogeneous Diastereoselective Catalysis - A Powerful Strategy Toward C(15) Stereoselectivity from PGF_{2α} Analogues Structure. Current Pharmaceutical Design, 2015, 21, 5558-5572.	0.9	4
122	Cellulose Capitalization to Bio-chemicals in the Presence of Magnetic Nanoparticle Catalysts. Topics in Catalysis, 2014, 57, 1463-1469.	1.3	11
123	Comparative hydroamination of aniline and substituted anilines with styrene on different zeolites, triflate based catalysts and their physical mixtures. Applied Catalysis A: General, 2014, 474, 230-235.	2.2	8
124	Biocatalytic alternative for bio-glycerol conversion with alkyl carbonates via a lipase-linked magnetic nano-particles assisted process. Applied Catalysis B: Environmental, 2014, 145, 120-125.	10.8	34
125	The hydrolytic hydrogenation of cellulose to sorbitol over M (Ru, Ir, Pd, Rh)-BEA-zeolite catalysts. Catalysis Today, 2014, 223, 122-128.	2.2	80
126	Acid and redox activity of template-free Al-rich H-BEA* and Fe-BEA* zeolites. Journal of Catalysis, 2014, 318, 22-33.	3.1	50

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127	Evidence of Aâ€“B site cooperation in the EuFeO3 perovskite from 151Eu and 57Fe MÃ¶ssbauer spectroscopy, EXAFS, and toluene catalytic oxidation. Journal of Catalysis, 2014, 316, 130-140.	3.1	20
128	Environmental-friendly strategy for biocatalytic conversion of waste glycerol to glycerol carbonate. Applied Catalysis B: Environmental, 2014, 146, 274-278.	10.8	47
129	Novel rutheniumâ€“terpyridyl complex for direct oxidation of amines to nitriles. Catalysis Science and Technology, 2013, 3, 2646.	2.1	25
130	Heterogeneous Catalysis for Biodiesel Production. , 2013, , 93-136.		8
131	Current Heterogeneous Catalytic Processes for Environmental Remediation of Air, Water, and Soil. , 2013, , 487-534.		1
132	Ru-based magnetic nanoparticles (MNP) for succinic acid synthesis from levulinic acid. Green Chemistry, 2013, 15, 3077.	4.6	85
133	Isolated centres versus defect associates in Sm³⁺-doped CeO₂: a spectroscopic investigation. Journal Physics D: Applied Physics, 2013, 46, 275302.	1.3	30
134	Spectroscopic Investigation of Iron Substitution in EuCoO₃: Related Impact on the Catalytic Properties in the High-Temperature N₂O Decomposition. Journal of Physical Chemistry C, 2013, 117, 13989-13999.	1.5	14
135	Chiral supported ionic liquid phase (CSILP) catalysts for greener asymmetric hydrogenation processes. Catalysis Today, 2013, 200, 63-73.	2.2	21
136	Strategy of cross-linked enzyme aggregates onto magnetic particles adapted to the green design of biocatalytic synthesis of glycerol carbonate. RSC Advances, 2013, 3, 4052.	1.7	48
137	Degradation of diclofenac in water using a pulsed corona discharge. Chemical Engineering Journal, 2013, 234, 389-396.	6.6	90
138	Enhancing Oxidative Dehydrogenation Selectivity of Ceriaâ€Based Catalysts with Phosphorus as Additive. ChemCatChem, 2013, 5, 757-765.	1.8	12
139	Postsynthetic Modification of a Metalâ€“Organic Framework (MOF) Structure for Enantioselective Catalytic Epoxidation. ChemPlusChem, 2013, 78, 443-450.	1.3	22
140	Structural changes during toluene complete oxidation on supported EuFeO3 monitored by in situ 151Eu and 57Fe MÃ¶ssbauer spectroscopy. Catalysis Today, 2013, 208, 56-59.	2.2	6
141	Photocatalytic Activity and Selectivity of ZnO Materials in the Decomposition of Organic Compounds. ChemCatChem, 2013, 5, 3841-3846.	1.8	23
142	The Mechanism of Plasma Destruction of Enalapril and Related Metabolites in Water. Plasma Processes and Polymers, 2013, 10, 459-468.	1.6	25
143	Direct Synthesis of Sorbitol and Glycerol from Cellulose over Ionic Ru/Magnetite Nanoparticles in the Absence of External Hydrogen. ChemSusChem, 2013, 6, 2090-2094.	3.6	20
144	Toluene oxidation by non-thermal plasma combined with palladium catalysts. Frontiers in Chemistry, 2013, 1, 7.	1.8	21

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145	Replacing benzyl chloride with benzyl alcohol in heterogeneous catalytic benzylation of aromatic compounds. Pure and Applied Chemistry, 2012, 84, 427-437.	0.9	10
146	Temperature induced conversion from surface to â€œbulkâ€•sites in Eu3+-impregnated CeO2 nanocrystals. Journal of Applied Physics, 2012, 112, .	1.1	27
147	Heterogeneous amination of bromobenzene over titania-supported gold catalysts. Journal of Catalysis, 2012, 296, 43-54.	3.1	15
148	In situ Raman and Time-Resolved Luminescence Investigation of the Local Structure of ZrO2 in the Amorphous to Crystalline Phase Transition. Journal of Physical Chemistry C, 2012, 116, 16776-16783.	1.5	21
149	Catalytic hydroprocessing of lignin under thermal and ultrasound conditions. Catalysis Today, 2012, 196, 3-10.	2.2	28
150	Recyclable biocatalytic composites of lipase-linked magnetic macro-/nano-particles for glycerol carbonate synthesis. Applied Catalysis A: General, 2012, 437-438, 90-95.	2.2	42
151	Order and disorder effects in nano-ZrO2 investigated by micro-Raman and spectrally and temporarily resolved photoluminescence. Physical Chemistry Chemical Physics, 2012, 14, 12970.	1.3	40
152	Snâ€Doped Hydroxylated MgF₂ Catalysts for the Fast and Selective Saccharification of Cellulose to Glucose. ChemSusChem, 2012, 5, 1708-1711.	3.6	23
153	Sequential deracemization of sulfoxides via whole-cell resolution and heterogeneous oxidation. Applied Catalysis A: General, 2012, 441-442, 42-46.	2.2	14
154	Efficient bio-conversion of glycerol to glycerol carbonate catalyzed by lipase extracted from Aspergillus niger. Green Chemistry, 2012, 14, 478.	4.6	74
155	A Robust Metalâ€“Organic Framework Constructed from Alkoxo-Bridged Binuclear Nodes and Hexamethylenetetramine Spacers: Crystal Structure and Sorption Studies. Inorganic Chemistry, 2012, 51, 7954-7956.	1.9	15
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