Vasile I Parvulescu

List of Publications by Year
in descending order

253	12,904	41344	30087
papers	citations	49 h-index	103 g-index

283	283	283	13936
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Catalysis in Ionic Liquids. Chemical Reviews, 2007, 107, 2615-2665.	47.7	2,179
2	Catalytic removal of NO. Catalysis Today, 1998, 46, 233-316.	4.4	1,096
3	Catalytic NO_x Abatement Systems for Mobile Sources: From Three-Way to Lean Burn after-Treatment Technologies. Chemical Reviews, 2011, 111, 3155-3207.	47.7	643
4	Functionalised heterogeneous catalysts for sustainable biomass valorisation. Chemical Society Reviews, 2018, 47, 8349-8402.	38.1	493
5	Advances in porous and nanoscale catalysts for viable biomass conversion. Chemical Society Reviews, 2019, 48, 2366-2421.	38.1	457
6	Sunflower and rapeseed oil transesterification to biodiesel over different nanocrystalline MgO catalysts. Green Chemistry, 2008, 10, 373-381.	9.0	238
7	Degradation of pharmaceutical compounds in water by non-thermal plasma treatment. Water Research, 2015, 81, 124-136.	11.3	230
8	Degradation of antibiotics in water by non-thermal plasma treatment. Water Research, 2011, 45, 3407-3416.	11.3	211
9	Degradation of pharmaceutical compound pentoxifylline in water by non-thermal plasma treatment. Water Research, 2010, 44, 3445-3453.	11.3	196
10	Photocatalytic degradation of phenol by TiO2 thin films prepared by sputtering. Applied Catalysis B: Environmental, 2000, 25, 83-92.	20.2	151
11	Ceria-based oxides as supports for LaCoO3 perovskite; catalysts for total oxidation of VOC. Applied Catalysis B: Environmental, 2007, 70, 400-405.	20.2	149
12	Recent Progress and Prospects in Catalytic Water Treatment. Chemical Reviews, 2022, 122, 2981-3121.	47.7	139
13	Plasma-assisted catalysis for volatile organic compounds abatement. Applied Catalysis B: Environmental, 2005, 61, 12-20.	20.2	126
14	Improved performance of non-thermal plasma reactor during decomposition of trichloroethylene: Optimization of the reactor geometry and introduction of catalytic electrode. Applied Catalysis B: Environmental, 2007, 74, 270-277.	20.2	118
15	Supported perovskites for total oxidation of toluene. Applied Catalysis B: Environmental, 2005, 60, 33-39.	20.2	115
16	Selective oxidation of 5-hydroxymethyl furfural over non-precious metal heterogeneous catalysts. Applied Catalysis B: Environmental, 2016, 180, 751-757.	20.2	112
17	Visible-light photocatalytic activity of gold nanoparticles supported on template-synthesized mesoporous titania for the decontamination of the chemical warfare agent Soman. Applied Catalysis B: Environmental, 2010, 99, 191-197.	20.2	110
18	Transesterification of vegetable oils on basic large mesoporous alumina supported alkaline fluoridesâ€"Evidences of the nature of the active site and catalytic performances. Journal of Catalysis, 2009, 263, 56-66.	6.2	106

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19	Transesterification of vegetable oils over CaO catalysts. Catalysis Today, 2011, 167, 64-70.	4.4	103
20	Degradation of diclofenac in water using a pulsed corona discharge. Chemical Engineering Journal, 2013, 234, 389-396.	12.7	90
21	Total oxidation of toluene on ferrite-type catalysts. Catalysis Today, 2009, 141, 361-366.	4.4	88
22	Nonprecious Metals Catalyzing Hydroamination and Câ€“N Coupling Reactions. Organic Process Research and Development, 2015, 19, 1327-1355.	2.7	88
23	Ru-based magnetic nanoparticles (MNP) for succinic acid synthesis from levulinic acid. Green Chemistry, 2013, 15, 3077.	9.0	85
24	d -Glucose hydrogenation/hydrogenolysis reactions on noble metal (Ru, Pt)/activated carbon supported catalysts. Catalysis Today, 2015, 257, 281-290.	4.4	81
25	The hydrolytic hydrogenation of cellulose to sorbitol over M (Ru, Ir, Pd, Rh)-BEA-zeolite catalysts. Catalysis Today, 2014, 223, 122-128.	4.4	80
26	Preparation of Rhodium Nanoparticles in Carbon Dioxide Induced Ionic Liquids and their Application to Selective Hydrogenation. Angewandte Chemie - International Edition, 2009, 48, 1085-1088.	13.8	76
27	Efficient bio-conversion of glycerol to glycerol carbonate catalyzed by lipase extracted from Aspergillus niger. Green Chemistry, 2012, 14, 478.	9.0	74
28	Characterization and Catalytic-Hydrogenation Behavior of SiO2-Embedded Nanoscopic Pd, Au, and Pdâ€“Au Alloy Colloids. Chemistry - A European Journal, 2006, 12, 2343-2357.	3.3	73
29	Plasma-assisted catalysis total oxidation of trichloroethylene over gold nano-particles embedded in SBA-15 catalysts. Applied Catalysis B: Environmental, 2007, 76, 275-281.	20.2	70
30	Degradation of organic dyes in water by electrical discharges. Plasma Chemistry and Plasma Processing, 2007, 27, 589-598.	2.4	67
31	Degradation of the chlorophenoxyacetic herbicide 2,4-D by plasma-ozonation system. Journal of Hazardous Materials, 2017, 336, 52-56.	12.4	67
32	Efficient glucose dehydration to HMF onto Nb-BEA catalysts. Catalysis Today, 2019, 325, 109-116.	4.4	67
33	NbF₅â€“AlF₃ Catalysts: Design, Synthesis, and Application in Lactic Acid Synthesis from Cellulose. ACS Catalysis, 2015, 5, 3013-3026.	11.2	66
34	Heterogeneous Gold Catalysts for Efficient Access to Functionalized Lactones. Chemistry - A European Journal, 2008, 14, 9412-9418.	3.3	65
35	Solâ€“gel-entrapped nano silver catalysts-correlation between active silver species and catalytic behavior. Journal of Catalysis, 2010, 272, 92-100.	6.2	65
36	Surface versus volume effects in luminescent ceria nanocrystals synthesized by an oil-in-water microemulsion method. Physical Chemistry Chemical Physics, 2011, 13, 17135.	2.8	63

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37	High catalytic activity of oriented 2.0.0 copper(I) oxide grown on graphene film. Nature Communications, 2015, 6, 8561.	12.8	63
38	Oxidation of 5-hydroxymethyl furfural to 2,5-diformylfuran in aqueous media over heterogeneous manganese based catalysts. Catalysis Today, 2016, 278, 66-73.	4.4	63
39	Graphene from Alginate Pyrolysis as a Metalâ€Free Catalyst for Hydrogenation of Nitro Compounds. ChemSusChem, 2016, 9, 1565-1569.	6.8	62
40	Influence of gold particle size on the photocatalytic activity for acetone oxidation of Au/TiO2 catalysts prepared by dc-magnetron sputtering. Applied Catalysis B: Environmental, 2011, 107, 140-149.	20.2	61
41	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.	20.2	57
42	CO2 methanation catalyzed by oriented MoS2 nanoplatelets supported on few layers graphene. Applied Catalysis B: Environmental, 2019, 245, 351-359.	20.2	56
43	Heterogeneous Catalytic Transformation of Citronellal to Menthol in a Single Step on Ir-Beta Zeolite Catalysts. Topics in Catalysis, 2009, 52, 1292-1300.	2.8	55
44	Multifunctional nanocomposites with non-precious metals and magnetic core for 5-HMF oxidation to FDCA. Applied Catalysis B: Environmental, 2020, 278, 119309.	20.2	54
45	Preparation and characterisation of mesoporous zirconium oxide. Applied Catalysis A: General, 2001, 214, 273-287.	4.3	53
46	In situ study of ozone and hybrid plasma Agâ€“Al catalysts for the oxidation of toluene: Evidence of the nature of the active sites. Applied Catalysis B: Environmental, 2011, 104, 84-90.	20.2	53
47	Hydroxylated magnesium fluorides as environmentally friendly catalysts for glycerol acetylation. Applied Catalysis B: Environmental, 2011, 107, 260-267.	20.2	52
48	Oneâ€Pot Synthesis of Menthol Catalyzed by a Highly Diastereoselective Au/MgF₂ Catalyst. Angewandte Chemie - International Edition, 2010, 49, 8134-8138.	13.8	50
49	Visible-light Câ€“heteroatom bond cleavage and detoxification of chemical warfare agents using titania-supported gold nanoparticles as photocatalyst. Journal of Materials Chemistry, 2010, 20, 4050.	6.7	50
50	Acid and redox activity of template-free Al-rich H-BEA* and Fe-BEA* zeolites. Journal of Catalysis, 2014, 318, 22-33.	6.2	50
51	N-Doped graphene as a metal-free catalyst for glucose oxidation to succinic acid. Green Chemistry, 2017, 19, 1999-2005.	9.0	50
52	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.	3.6	48
53	Environmental-friendly strategy for biocatalytic conversion of waste glycerol to glycerol carbonate. Applied Catalysis B: Environmental, 2014, 146, 274-278.	20.2	47
54	Dry reforming of methane on ceria prepared by modified precipitation route. Applied Catalysis A: General, 2015, 494, 29-40.	4.3	47

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55	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.	4.3	46
56	Improving TiO2 activity in photo-production of hydrogen from sugar industry wastewaters. International Journal of Hydrogen Energy, 2011, 36, 15509-15518.	7.1	45
57	Reducibility of ruthenium in relation with zeolite structure. Applied Surface Science, 1999, 141, 164-176.	6.1	43
58	A polynuclear complex, {[Cu(bpe)2](NO3)}, with interpenetrated diamondoid networks: synthesis, properties and catalytic behavior. Journal of Materials Chemistry, 2005, 15, 4234.	6.7	42
59	Recyclable biocatalytic composites of lipase-linked magnetic macro-/nano-particles for glycerol carbonate synthesis. Applied Catalysis A: General, 2012, 437-438, 90-95.	4.3	42
60	NO decomposition over bicomponent Cu-Sm-ZSM-5 zeolites. Applied Catalysis B: Environmental, 1998, 16, 1-17.	20.2	41
61	Metal-triflate ionic liquid systems immobilized onto mesoporous MS41 materials as new and efficient catalysts for N-acylation. Journal of Catalysis, 2007, 249, 359-369.	6.2	41
62	NO Decomposition over Cuâ€“Smâ€“ZSM-5 Zeolites Containing Low-Exchanged Copper. Journal of Catalysis, 2000, 191, 445-455.	6.2	40
63	Order and disorder effects in nano-ZrO2 investigated by micro-Raman and spectrally and temporarily resolved photoluminescence. Physical Chemistry Chemical Physics, 2012, 14, 12970.	2.8	40
64	Synthesis of Terephthalic Acid by pâ€Cymene Oxidation using Oxygen: Toward a More Sustainable Production of Bioâ€Polyethylene Terephthalate. ChemSusChem, 2016, 9, 3102-3112.	6.8	40
65	Catalytic Properties of 3D Graphene-Like Microporous Carbons Synthesized in a Zeolite Template. ACS Catalysis, 2018, 8, 1779-1789.	11.2	40
66	M/TiO2/SiO2 (M=Fe, Mn, and V) catalysts in photo-decomposition of sulfur mustard. Applied Catalysis B: Environmental, 2009, 91, 546-553.	20.2	39
67	Synthesis of ceria nanopowders by microwave-assisted hydrothermal method for dry reforming of methane. International Journal of Hydrogen Energy, 2016, 41, 2512-2525.	7.1	39
68	Nâ€Doped Defective Graphene from Biomass as Catalyst for CO₂ Hydrogenation to Methane. ChemCatChem, 2019, 11, 985-990.	3.7	39
69	Synergism of Activated Carbon and Undoped and Nitrogenâ€doped TiO₂ in the Photocatalytic Degradation of the Chemical Warfare Agents Soman, VX, and Yperite. ChemSusChem, 2009, 2, 427-436.	6.8	38
70	Oxidation of ethane on high specific surface SmCoO3 and PrCoO3 perovskites. Catalysis Today, 2009, 143, 309-314.	4.4	38
71	Heterogeneous Oxidation of Pyrimidine and Alkyl Thioethers in Ionic Liquids over Mesoporous Ti or Ti/Ge Catalysts. Chemistry - A European Journal, 2004, 10, 4640-4646.	3.3	37
72	Benzylation of benzene with benzyl alcohol on zeolite catalysts. Applied Catalysis A: General, 2011, 393, 206-214.	4.3	37

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73	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.	13.8	37
74	Lignin fragmentation over magnetically recyclable composite Co@Nb2O5@Fe3O4 catalysts. Journal of Catalysis, 2016, 339, 209-227.	6.2	37
75	The activity of yttrium-modified Mg,Al hydrotalcites in the epoxidation of styrene with hydrogen peroxide. Applied Catalysis A: General, 2011, 403, 83-90.	4.3	36
76	Reaction of Hexane, Cyclohexane, and Methylcyclopentane over Gallium-, Indium-, and Thallium-Promoted Sulfated Zirconia Catalysts. Journal of Catalysis, 1998, 180, 66-84.	6.2	35
77	NO decomposition over physical mixtures of Cu-ZSM-5 with zeolites or oxides. Applied Catalysis B: Environmental, 2001, 33, 223-237.	20.2	35
78	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.	20.2	34
79	The effect of phosphorus on the catalytic performance of nickel oxide in ethane oxidative dehydrogenation. Catalysis Science and Technology, 2016, 6, 6953-6964.	4.1	34
80	Reduction of Prostaglandin Unsaturated Ketones to Secondary Allylic Alcohols by Hydrogen Transfer over Mesoporous-Supported PtSn Catalysts. Journal of Catalysis, 2002, 206, 218-229.	6.2	32
81	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.	8.2	32
82	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.	6.8	32
83	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.	20.2	32
84	Upgrade of 5-Hydroxymethylfurfural to Dicarboxylic Acids onto Multifunctional-Based Fe₃O₄@SiO₂ Magnetic Catalysts. ACS Sustainable Chemistry and Engineering, 2018, 6, 14292-14301.	6.7	31
85	Epoxidation with peroxotungstic acid immobilised onto silica-grafted phosphoramides. Journal of Molecular Catalysis A, 2002, 182-183, 257-266.	4.8	30
86	Isolated centres versus defect associates in Sm³⁺-doped CeO₂: a spectroscopic investigation. Journal Physics D: Applied Physics, 2013, 46, 275302.	2.8	30
87	Protonated titanate nanotubes as solid acid catalyst for aldol condensation. Journal of Catalysis, 2017, 346, 161-169.	6.2	30
88	Sensitizers on Inorganic Carriers for Decomposition of the Chemical Warfare Agent Yperite. Environmental Science & Technology, 2008, 42, 4908-4913.	10.0	29
89	Gold imidazolium-based ionic liquids, efficient catalysts for cycloisomerization of Î³-acetylenic carboxylic acids. New Journal of Chemistry, 2009, 33, 102-106.	2.8	29
90	Friedelâ€“Crafts alkylations on nanoscopic inorganic fluorides. Applied Catalysis A: General, 2011, 391, 169-174.	4.3	29

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91	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.	6.2	29
92	Effect of LaCoO3 perovskite deposition on ceria-based supports on total oxidation of VOC. Catalysis Today, 2006, 112, 169-173.	4.4	28
93	Biocatalytic microreactor incorporating HRP anchored on micro-/nano-lithographic patterns for flow oxidation of phenols. Journal of Molecular Catalysis B: Enzymatic, 2011, 69, 133-139.	1.8	28
94	Catalytic hydroprocessing of lignin under thermal and ultrasound conditions. Catalysis Today, 2012, 196, 3-10.	4.4	28
95	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.	11.2	28
96	Temperature induced conversion from surface to â€œbulkâ€•sites in Eu3+-impregnated CeO2 nanocrystals. Journal of Applied Physics, 2012, 112, .	2.5	27
97	Mesostructured vanadiaâ€“alumina catalysts for the synthesis of vitamin K3. Catalysis Today, 2015, 254, 29-35.	4.4	27
98	Enhanced photo-degradation of bisphenol pollutants onto gold-modified photocatalysts. Catalysis Today, 2017, 284, 153-159.	4.4	27
99	Preparation and characterization of mesoporous zirconium oxide. Part 2.. Microporous and Mesoporous Materials, 2001, 44-45, 221-226.	4.4	25
100	Bifunctional Nanoscopic Catalysts for the One-Pot Synthesis of (Â±)-Menthol from Citral. Topics in Catalysis, 2012, 55, 680-687.	2.8	25
101	Novel rutheniumâ€“terpyridyl complex for direct oxidation of amines to nitriles. Catalysis Science and Technology, 2013, 3, 2646.	4.1	25
102	The Mechanism of Plasma Destruction of Enalapril and Related Metabolites in Water. Plasma Processes and Polymers, 2013, 10, 459-468.	3.0	25
103	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.	4.1	25
104	First In Situ Raman Study of Vanadium Oxide Based SO2 Oxidation Supported Molten Salt Catalysts. Catalysis Letters, 2002, 78, 209-214.	2.6	24
105	Acylation of alcohols and activated aromatic compounds on silica embedded-triflate catalysts. Applied Catalysis A: General, 2006, 301, 133-137.	4.3	24
106	Band gap effect on the photocatalytic activity of supramolecular structures obtained by entrapping photosensitizers in different inorganic supports. Physical Chemistry Chemical Physics, 2009, 11, 5569.	2.8	24
107	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.	4.1	24
108	Photocatalytic decomposition of acetone over dc-magnetron sputtering supported vanadia/TiO2 catalysts. Catalysis Today, 2009, 142, 165-169.	4.4	23

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109	Novel Pd heterogeneous catalysts for cycloisomerisation of acetylenic carboxylic acids. Green Chemistry, 2010, 12, 2145.	9.0	23
110	Snâ€Doped Hydroxylated MgF₂ Catalysts for the Fast and Selective Saccharification of Cellulose to Glucose. ChemSusChem, 2012, 5, 1708-1711.	6.8	23
111	Photocatalytic Activity and Selectivity of ZnO Materials in the Decomposition of Organic Compounds. ChemCatChem, 2013, 5, 3841-3846.	3.7	23
112	Local structure in CeO2 and CeO2â€“ZrO2 nanoparticles probed by Eu luminescence. Catalysis Today, 2015, 253, 33-39.	4.4	23
113	Acylation of 2-methoxynaphthalene with acetic anhydride over silica-embedded triflate catalysts. Applied Catalysis A: General, 2006, 306, 159-164.	4.3	22
114	An expeditious synthesis of Î²-pyrimidyl-Î±,Î²-didehydro-Î±-amino acid derivatives and pyrano[2,3-d]pyrimidines using microwave-assisted conditions. Tetrahedron, 2009, 65, 8216-8221.	1.9	22
115	Postsynthetic Modification of a Metalâ€“Organic Framework (MOF) Structure for Enantioselective Catalytic Epoxidation. ChemPlusChem, 2013, 78, 443-450.	2.8	22
116	Spirobifluoreneâ€based Porous Organic Polymers as Efficient Porous Supports for Pd and Pt for Selective Hydrogenation. ChemCatChem, 2019, 11, 538-549.	3.7	22
117	Photocatalytic degradation of acetone by Ni-doped titania thin films prepared by dc reactive sputtering. Applied Catalysis B: Environmental, 2005, 60, 155-162.	20.2	21
118	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.	3.1	21
119	Chiral supported ionic liquid phase (CSILP) catalysts for greener asymmetric hydrogenation processes. Catalysis Today, 2013, 200, 63-73.	4.4	21
120	Toluene oxidation by non-thermal plasma combined with palladium catalysts. Frontiers in Chemistry, 2013, 1, 7.	3.6	21
121	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
122	High efficiency plasma treatment of water contaminated with organic compounds. Study of the degradation of ibuprofen. Plasma Processes and Polymers, 2018, 15, 1700201.	3.0	21
123	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.	9.0	21
124	ZSM-5/SBA-15 versus Al-SBA-15 as supports for the hydrocracking/hydroisomerization of alkanes. Catalysis Today, 2018, 306, 121-127.	4.4	21
125	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.	20.2	21
126	Alkylation of Phenols and Naphthols on Silica-Immobilized Triflate Derivatives. Catalysis Letters, 2003, 91, 141-144.	2.6	20

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127	Epoxidation of cyclohexene and indene with hydrogen peroxide in the presence of WO5 onto hydroxyapatite as catalyst. Applied Catalysis A: General, 2004, 264, 23-32.	4.3	20
128	Direct Synthesis of Sorbitol and Glycerol from Cellulose over Ionic Ru/Magnetite Nanoparticles in the Absence of External Hydrogen. ChemSusChem, 2013, 6, 2090-2094.	6.8	20
129	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.	6.2	20
130	RuCl₃ Supported on Nâ€Doped Graphene as a Reusable Catalyst for the Oneâ€Step Glucose Oxidation to Succinic Acid. ChemCatChem, 2017, 9, 3314-3321.	3.7	20
131	Nb-Based Zeolites: Efficient bi-Functional Catalysts for the One-Pot Synthesis of Succinic Acid from Glucose. Molecules, 2017, 22, 2218.	3.8	20
132	Tantalum doped titania photocatalysts: Preparation by dc reactive sputtering and catalytic behavior. Journal of Photochemistry and Photobiology A: Chemistry, 2005, 174, 106-112.	3.9	19
133	Selective oxidation of a pyrimidine thioether using supported tantalum catalysts. Journal of Catalysis, 2005, 235, 184-194.	6.2	19
134	In situ structural changes during toluene complete oxidation on supported EuCoO3 monitored with 151Eu MÃ¶ssbauer spectroscopy. Catalysis Today, 2006, 117, 329-336.	4.4	19
135	Hydrotalcite docked Rh-TPPTS complexes as efficient catalysts for the arylation of 2-cyclohexen-1-one in neat water. Catalysis Today, 2008, 139, 161-167.	4.4	19
136	Photo-degradation of yperite over V, Fe and Mn-doped titaniaâ€“silica photocatalysts. Physical Chemistry Chemical Physics, 2008, 10, 6562.	2.8	19
137	Heterogeneous Gold Catalyst: Synthesis, Characterization, and Application in 1,4-Addition of Boronic Acids to Enones. ACS Catalysis, 2015, 5, 5060-5067.	11.2	19
138	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.	4.1	18
139	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.	3.0	18
140	Mechanochemical versus co-precipitated synthesized lanthanum-doped layered materials for olefin oxidation. Applied Catalysis A: General, 2017, 542, 10-20.	4.3	18
141	Doped ceria prepared by precipitation route for steam reforming of methane. Catalysis Today, 2018, 306, 166-171.	4.4	18
142	Nitrogen-doped graphene as metal free basic catalyst for coupling reactions. Journal of Catalysis, 2019, 376, 238-247.	6.2	18
143	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.	8.0	18
144	Heterogeneous hydrogenation of bicyclo[2.2.2]octenes on Rh/TPPTS/LDH catalysts. Journal of Molecular Catalysis A, 2007, 276, 34-40.	4.8	17

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145	Heterogeneous Au and Rh catalysts for cycloisomerization reactions of Î³-acetylenic carboxylic acids. Pure and Applied Chemistry, 2009, 81, 2387-2396.	1.9	17
146	Spectrally and temporarily resolved luminescence study of short-range order in nanostructured amorphous ZrO2. Journal of Applied Physics, 2011, 110, .	2.5	17
147	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.	4.4	17
148	Highly Efficient, Easily Recoverable, and Recyclable Reâ€“SiO2â€“Fe3O4Catalyst for the Fragmentation of Lignin. ACS Sustainable Chemistry and Engineering, 2018, 6, 9606-9618.	6.7	17
149	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.	4.1	17
150	Catalytic behavior of Li-Al-LDH prepared via mechanochemical and co-precipitation routes for cyanoethylation reaction. Catalysis Today, 2021, 366, 227-234.	4.4	17
151	Stereocontrolled hydrogenation of prostaglandin intermediates over Ruâ€“MCM-41 catalysts. Journal of Molecular Catalysis A, 1999, 146, 247-256.	4.8	16
152	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.	4.1	16
153	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.	6.2	16
154	Peroxidase-based biocatalysis in a two-phase system for allylic oxidation of Î±-pinene. Catalysis Today, 2018, 306, 199-206.	4.4	16
155	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.	6.7	16
156	Heterogeneous amination of bromobenzene over titania-supported gold catalysts. Journal of Catalysis, 2012, 296, 43-54.	6.2	15
157	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.	4.0	15
158	Phase Control in Hafnia: New Synthesis Approach and Convergence of Average and Local Structure Properties. ACS Omega, 2019, 4, 8881-8891.	3.5	15
159	Catalytic transformation of the marine polysaccharide ulvan into rare sugars, tartaric and succinic acids. Catalysis Today, 2022, 383, 345-357.	4.4	15
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