

Vasile I Parvulescu

List of Publications by Year in descending order

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253
papers

12,904
citations

41339

49
h-index

30081

103
g-index

283
all docs

283
docs citations

283
times ranked

13936
citing authors

#	ARTICLE	IF	CITATIONS
1	Catalysis in Ionic Liquids. <i>Chemical Reviews</i> , 2007, 107, 2615-2665.	47.7	2,179
2	Catalytic removal of NO. <i>Catalysis Today</i> , 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. <i>Chemical Reviews</i> , 2011, 111, 3155-3207.	47.7	643
4	Functionalised heterogeneous catalysts for sustainable biomass valorisation. <i>Chemical Society Reviews</i> , 2018, 47, 8349-8402.	38.1	493
5	Advances in porous and nanoscale catalysts for viable biomass conversion. <i>Chemical Society Reviews</i> , 2019, 48, 2366-2421.	38.1	457
6	Sunflower and rapeseed oil transesterification to biodiesel over different nanocrystalline MgO catalysts. <i>Green Chemistry</i> , 2008, 10, 373-381.	9.0	238
7	Degradation of pharmaceutical compounds in water by non-thermal plasma treatment. <i>Water Research</i> , 2015, 81, 124-136.	11.3	230
8	Degradation of antibiotics in water by non-thermal plasma treatment. <i>Water Research</i> , 2011, 45, 3407-3416.	11.3	211
9	Degradation of pharmaceutical compound pentoxifylline in water by non-thermal plasma treatment. <i>Water Research</i> , 2010, 44, 3445-3453.	11.3	196
10	Photocatalytic degradation of phenol by TiO ₂ thin films prepared by sputtering. <i>Applied Catalysis B: Environmental</i> , 2000, 25, 83-92.	20.2	151
11	Ceria-based oxides as supports for LaCoO ₃ perovskite; catalysts for total oxidation of VOC. <i>Applied Catalysis B: Environmental</i> , 2007, 70, 400-405.	20.2	149
12	Recent Progress and Prospects in Catalytic Water Treatment. <i>Chemical Reviews</i> , 2022, 122, 2981-3121.	47.7	139
13	Plasma-assisted catalysis for volatile organic compounds abatement. <i>Applied Catalysis B: Environmental</i> , 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. <i>Applied Catalysis B: Environmental</i> , 2007, 74, 270-277.	20.2	118
15	Supported perovskites for total oxidation of toluene. <i>Applied Catalysis B: Environmental</i> , 2005, 60, 33-39.	20.2	115
16	Selective oxidation of 5-hydroxymethyl furfural over non-precious metal heterogeneous catalysts. <i>Applied Catalysis B: Environmental</i> , 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. <i>Applied Catalysis B: Environmental</i> , 2010, 99, 191-197.	20.2	110
18	Transesterification of vegetable oils on basic large mesoporous alumina supported alkaline fluorides—Evidences of the nature of the active site and catalytic performances. <i>Journal of Catalysis</i> , 2009, 263, 56-66.	6.2	106

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19	Transesterification of vegetable oils over CaO catalysts. <i>Catalysis Today</i> , 2011, 167, 64-70.	4.4	103
20	Degradation of diclofenac in water using a pulsed corona discharge. <i>Chemical Engineering Journal</i> , 2013, 234, 389-396.	12.7	90
21	Total oxidation of toluene on ferrite-type catalysts. <i>Catalysis Today</i> , 2009, 141, 361-366.	4.4	88
22	Nonprecious Metals Catalyzing Hydroamination and C=C/N Coupling Reactions. <i>Organic Process Research and Development</i> , 2015, 19, 1327-1355.	2.7	88
23	Ru-based magnetic nanoparticles (MNP) for succinic acid synthesis from levulinic acid. <i>Green Chemistry</i> , 2013, 15, 3077.	9.0	85
24	d-Glucose hydrogenation/hydrogenolysis reactions on noble metal (Ru, Pt)/activated carbon supported catalysts. <i>Catalysis Today</i> , 2015, 257, 281-290.	4.4	81
25	The hydrolytic hydrogenation of cellulose to sorbitol over M (Ru, Ir, Pd, Rh)-BEA-zeolite catalysts. <i>Catalysis Today</i> , 2014, 223, 122-128.	4.4	80
26	Preparation of Rhodium Nanoparticles in Carbon Dioxide Induced Ionic Liquids and their Application to Selective Hydrogenation. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 1085-1088.	13.8	76
27	Efficient bio-conversion of glycerol to glycerol carbonate catalyzed by lipase extracted from <i>Aspergillus niger</i> . <i>Green Chemistry</i> , 2012, 14, 478.	9.0	74
28	Characterization and Catalytic-Hydrogenation Behavior of SiO ₂ -Embedded Nanoscopic Pd, Au, and Pd-Au Alloy Colloids. <i>Chemistry - A European Journal</i> , 2006, 12, 2343-2357.	3.3	73
29	Plasma-assisted catalysis total oxidation of trichloroethylene over gold nano-particles embedded in SBA-15 catalysts. <i>Applied Catalysis B: Environmental</i> , 2007, 76, 275-281.	20.2	70
30	Degradation of organic dyes in water by electrical discharges. <i>Plasma Chemistry and Plasma Processing</i> , 2007, 27, 589-598.	2.4	67
31	Degradation of the chlorophenoxyacetic herbicide 2,4-D by plasma-ozonation system. <i>Journal of Hazardous Materials</i> , 2017, 336, 52-56.	12.4	67
32	Efficient glucose dehydration to HMF onto Nb-BEA catalysts. <i>Catalysis Today</i> , 2019, 325, 109-116.	4.4	67
33	NbF ₅ -AlF ₃ Catalysts: Design, Synthesis, and Application in Lactic Acid Synthesis from Cellulose. <i>ACS Catalysis</i> , 2015, 5, 3013-3026.	11.2	66
34	Heterogeneous Gold Catalysts for Efficient Access to Functionalized Lactones. <i>Chemistry - A European Journal</i> , 2008, 14, 9412-9418.	3.3	65
35	Sol-gel-entrapped nano silver catalysts-correlation between active silver species and catalytic behavior. <i>Journal of Catalysis</i> , 2010, 272, 92-100.	6.2	65
36	Surface versus volume effects in luminescent ceria nanocrystals synthesized by an oil-in-water microemulsion method. <i>Physical Chemistry Chemical Physics</i> , 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 Metal-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/TiO ₂ 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	CO ₂ methanation catalyzed by oriented MoS ₂ 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 Ag-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	One-Pot Synthesis of Menthol Catalyzed by a Highly Diastereoselective Au/MgF ₂ Catalyst. Angewandte Chemie - International Edition, 2010, 49, 8134-8138.	13.8	50
49	Visible-light C-H 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. <i>Applied Catalysis A: General</i> , 2015, 504, 81-91.	4.3	46
56	Improving TiO ₂ activity in photo-production of hydrogen from sugar industry wastewaters. <i>International Journal of Hydrogen Energy</i> , 2011, 36, 15509-15518.	7.1	45
57	Reducibility of ruthenium in relation with zeolite structure. <i>Applied Surface Science</i> , 1999, 141, 164-176.	6.1	43
58	A polynuclear complex, {[Cu(bpe) ₂](NO ₃)}, with interpenetrated diamondoid networks: synthesis, properties and catalytic behavior. <i>Journal of Materials Chemistry</i> , 2005, 15, 4234.	6.7	42
59	Recyclable biocatalytic composites of lipase-linked magnetic macro-/nano-particles for glycerol carbonate synthesis. <i>Applied Catalysis A: General</i> , 2012, 437-438, 90-95.	4.3	42
60	NO decomposition over bicomponent Cu-Sm-ZSM-5 zeolites. <i>Applied Catalysis B: Environmental</i> , 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. <i>Journal of Catalysis</i> , 2007, 249, 359-369.	6.2	41
62	NO Decomposition over Cu-Sm-ZSM-5 Zeolites Containing Low-Exchanged Copper. <i>Journal of Catalysis</i> , 2000, 191, 445-455.	6.2	40
63	Order and disorder effects in nano-ZrO ₂ investigated by micro-Raman and spectrally and temporarily resolved photoluminescence. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 12970.	2.8	40
64	Synthesis of Terephthalic Acid by p-Cymene Oxidation using Oxygen: Toward a More Sustainable Production of Bio-Polyethylene Terephthalate. <i>ChemSusChem</i> , 2016, 9, 3102-3112.	6.8	40
65	Catalytic Properties of 3D Graphene-Like Microporous Carbons Synthesized in a Zeolite Template. <i>ACS Catalysis</i> , 2018, 8, 1779-1789.	11.2	40
66	M/TiO ₂ /SiO ₂ (M=Fe, Mn, and V) catalysts in photo-decomposition of sulfur mustard. <i>Applied Catalysis B: Environmental</i> , 2009, 91, 546-553.	20.2	39
67	Synthesis of ceria nanopowders by microwave-assisted hydrothermal method for dry reforming of methane. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 2512-2525.	7.1	39
68	N-Doped Defective Graphene from Biomass as Catalyst for CO ₂ Hydrogenation to Methane. <i>ChemCatChem</i> , 2019, 11, 985-990.	3.7	39
69	Synergism of Activated Carbon and Undoped and Nitrogen-doped TiO ₂ in the Photocatalytic Degradation of the Chemical Warfare Agents Soman, VX, and Yperite. <i>ChemSusChem</i> , 2009, 2, 427-436.	6.8	38
70	Oxidation of ethane on high specific surface SmCoO ₃ and PrCoO ₃ perovskites. <i>Catalysis Today</i> , 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. <i>Chemistry - A European Journal</i> , 2004, 10, 4640-4646.	3.3	37
72	Benylation of benzene with benzyl alcohol on zeolite catalysts. <i>Applied Catalysis A: General</i> , 2011, 393, 206-214.	4.3	37

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73	One-Step Pyrolysis Preparation of 1.1.1 Oriented Gold Nanoplatelets Supported on Graphene and Six Orders of Magnitude Enhancement of the Resulting Catalytic Activity. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 607-612.	13.8	37
74	Lignin fragmentation over magnetically recyclable composite Co@Nb ₂ O ₅ @Fe ₃ O ₄ catalysts. <i>Journal of Catalysis</i> , 2016, 339, 209-227.	6.2	37
75	The activity of yttrium-modified Mg,Al hydrotalcites in the epoxidation of styrene with hydrogen peroxide. <i>Applied Catalysis A: General</i> , 2011, 403, 83-90.	4.3	36
76	Reaction of Hexane, Cyclohexane, and Methylcyclopentane over Gallium-, Indium-, and Thallium-Promoted Sulfated Zirconia Catalysts. <i>Journal of Catalysis</i> , 1998, 180, 66-84.	6.2	35
77	NO decomposition over physical mixtures of Cu-ZSM-5 with zeolites or oxides. <i>Applied Catalysis B: Environmental</i> , 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. <i>Applied Catalysis B: Environmental</i> , 2014, 145, 120-125.	20.2	34
79	The effect of phosphorus on the catalytic performance of nickel oxide in ethane oxidative dehydrogenation. <i>Catalysis Science and Technology</i> , 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. <i>Journal of Catalysis</i> , 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. <i>Chemosphere</i> , 2016, 165, 507-514.	8.2	32
82	Unprecedented Catalytic Wet Oxidation of Glucose to Succinic Acid Induced by the Addition of <i>n</i> -Butylamine to a Ru ^{III} Catalyst. <i>ChemSusChem</i> , 2016, 9, 2307-2311.	6.8	32
83	Selective catalytic reduction of NO by H ₂ /C ₃ H ₆ over Pt/Ce _{1-x} Zr _x O ₂ - γ : The synergy effect studied by transient techniques. <i>Applied Catalysis B: Environmental</i> , 2017, 206, 308-318.	20.2	32
84	Upgrade of 5-Hydroxymethylfurfural to Dicarboxylic Acids onto Multifunctional-Based Fe ₃ O ₄ @SiO ₂ Magnetic Catalysts. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 14292-14301.	6.7	31
85	Epoxidation with peroxotungstic acid immobilised onto silica-grafted phosphoramides. <i>Journal of Molecular Catalysis A</i> , 2002, 182-183, 257-266.	4.8	30
86	Isolated centres versus defect associates in Sm ³⁺ -doped CeO ₂ : a spectroscopic investigation. <i>Journal Physics D: Applied Physics</i> , 2013, 46, 275302.	2.8	30
87	Protonated titanate nanotubes as solid acid catalyst for aldol condensation. <i>Journal of Catalysis</i> , 2017, 346, 161-169.	6.2	30
88	Sensitizers on Inorganic Carriers for Decomposition of the Chemical Warfare Agent Yperite. <i>Environmental Science & Technology</i> , 2008, 42, 4908-4913.	10.0	29
89	Gold imidazolium-based ionic liquids, efficient catalysts for cycloisomerization of $\hat{1}^3$ -acetylenic carboxylic acids. <i>New Journal of Chemistry</i> , 2009, 33, 102-106.	2.8	29
90	Friedel-Crafts alkylations on nanoscopic inorganic fluorides. <i>Applied Catalysis A: General</i> , 2011, 391, 169-174.	4.3	29

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91	Catalytic abatement of NO and N ₂ O from nitric acid plants: A novel approach using noble metal-modified perovskites. <i>Journal of Catalysis</i> , 2015, 328, 236-247.	6.2	29
92	Effect of LaCoO ₃ perovskite deposition on ceria-based supports on total oxidation of VOC. <i>Catalysis Today</i> , 2006, 112, 169-173.	4.4	28
93	Biocatalytic microreactor incorporating HRP anchored on micro-/nano-lithographic patterns for flow oxidation of phenols. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2011, 69, 133-139.	1.8	28
94	Catalytic hydroprocessing of lignin under thermal and ultrasound conditions. <i>Catalysis Today</i> , 2012, 196, 3-10.	4.4	28
95	Lignin Fragmentation onto Multifunctional Fe ₃ O ₄ @Nb ₂ O ₅ @Co@Re Catalysts: The Role of the Composition and Deposition Route of Rhenium. <i>ACS Catalysis</i> , 2017, 7, 3257-3267.	11.2	28
96	Temperature induced conversion from surface to bulk-sites in Eu ³⁺ -impregnated CeO ₂ nanocrystals. <i>Journal of Applied Physics</i> , 2012, 112, .	2.5	27
97	Mesostructured vanadia-alumina catalysts for the synthesis of vitamin K ₃ . <i>Catalysis Today</i> , 2015, 254, 29-35.	4.4	27
98	Enhanced photo-degradation of bisphenol pollutants onto gold-modified photocatalysts. <i>Catalysis Today</i> , 2017, 284, 153-159.	4.4	27
99	Preparation and characterization of mesoporous zirconium oxide. Part 2.. <i>Microporous and Mesoporous Materials</i> , 2001, 44-45, 221-226.	4.4	25
100	Bifunctional Nanoscopic Catalysts for the One-Pot Synthesis of (±)-Menthol from Citral. <i>Topics in Catalysis</i> , 2012, 55, 680-687.	2.8	25
101	Novel ruthenium-terpyridyl complex for direct oxidation of amines to nitriles. <i>Catalysis Science and Technology</i> , 2013, 3, 2646.	4.1	25
102	The Mechanism of Plasma Destruction of Enalapril and Related Metabolites in Water. <i>Plasma Processes and Polymers</i> , 2013, 10, 459-468.	3.0	25
103	Heterocyclic bismuth(III) compounds with transannular N-Bi interactions as catalysts for the oxidation of thiophenol to diphenyldisulfide. <i>Catalysis Science and Technology</i> , 2017, 7, 5343-5353.	4.1	25
104	First In Situ Raman Study of Vanadium Oxide Based SO ₂ Oxidation Supported Molten Salt Catalysts. <i>Catalysis Letters</i> , 2002, 78, 209-214.	2.6	24
105	Acylation of alcohols and activated aromatic compounds on silica embedded-triflate catalysts. <i>Applied Catalysis A: General</i> , 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. <i>Physical Chemistry Chemical Physics</i> , 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. <i>Catalysis Science and Technology</i> , 2016, 6, 8344-8354.	4.1	24
108	Photocatalytic decomposition of acetone over dc-magnetron sputtering supported vanadia/TiO ₂ catalysts. <i>Catalysis Today</i> , 2009, 142, 165-169.	4.4	23

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109	Novel Pd heterogeneous catalysts for cycloisomerisation of acetylenic carboxylic acids. <i>Green Chemistry</i> , 2010, 12, 2145.	9.0	23
110	Sn-doped Hydroxylated MgF ₂ Catalysts for the Fast and Selective Saccharification of Cellulose to Glucose. <i>ChemSusChem</i> , 2012, 5, 1708-1711.	6.8	23
111	Photocatalytic Activity and Selectivity of ZnO Materials in the Decomposition of Organic Compounds. <i>ChemCatChem</i> , 2013, 5, 3841-3846.	3.7	23
112	Local structure in CeO ₂ and CeO ₂ -ZrO ₂ nanoparticles probed by Eu luminescence. <i>Catalysis Today</i> , 2015, 253, 33-39.	4.4	23
113	Acylation of 2-methoxynaphthalene with acetic anhydride over silica-embedded triflate catalysts. <i>Applied Catalysis A: General</i> , 2006, 306, 159-164.	4.3	22
114	An expeditious synthesis of 2-pyrimidyl-2,2-didehydro-2-amino acid derivatives and pyrano[2,3-d]pyrimidines using microwave-assisted conditions. <i>Tetrahedron</i> , 2009, 65, 8216-8221.	1.9	22
115	Postsynthetic Modification of a Metal-Organic Framework (MOF) Structure for Enantioselective Catalytic Epoxidation. <i>ChemPlusChem</i> , 2013, 78, 443-450.	2.8	22
116	Spirobifluorene-based Porous Organic Polymers as Efficient Porous Supports for Pd and Pt for Selective Hydrogenation. <i>ChemCatChem</i> , 2019, 11, 538-549.	3.7	22
117	Photocatalytic degradation of acetone by Ni-doped titania thin films prepared by dc reactive sputtering. <i>Applied Catalysis B: Environmental</i> , 2005, 60, 155-162.	20.2	21
118	In situ Raman and Time-Resolved Luminescence Investigation of the Local Structure of ZrO ₂ in the Amorphous to Crystalline Phase Transition. <i>Journal of Physical Chemistry C</i> , 2012, 116, 16776-16783.	3.1	21
119	Chiral supported ionic liquid phase (CSILP) catalysts for greener asymmetric hydrogenation processes. <i>Catalysis Today</i> , 2013, 200, 63-73.	4.4	21
120	Toluene oxidation by non-thermal plasma combined with palladium catalysts. <i>Frontiers in Chemistry</i> , 2013, 1, 7.	3.6	21
121	Biocatalytic epoxidation of 1-pinene to oxy-derivatives over cross-linked lipase aggregates. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2016, 134, 9-15.	1.8	21
122	High efficiency plasma treatment of water contaminated with organic compounds. Study of the degradation of ibuprofen. <i>Plasma Processes and Polymers</i> , 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. <i>Green Chemistry</i> , 2018, 20, 2611-2623.	9.0	21
124	ZSM-5/SBA-15 versus Al-SBA-15 as supports for the hydrocracking/hydroisomerization of alkanes. <i>Catalysis Today</i> , 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. <i>Applied Catalysis B: Environmental</i> , 2018, 224, 648-659.	20.2	21
126	Alkylation of Phenols and Naphthols on Silica-Immobilized Triflate Derivatives. <i>Catalysis Letters</i> , 2003, 91, 141-144.	2.6	20

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127	Epoxidation of cyclohexene and indene with hydrogen peroxide in the presence of WO ₅ onto hydroxyapatite as catalyst. <i>Applied Catalysis A: General</i> , 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. <i>ChemSusChem</i> , 2013, 6, 2090-2094.	6.8	20
129	Evidence of Aa€B site cooperation in the EuFeO ₃ perovskite from 151Eu and 57Fe MÅ¶ssbauer spectroscopy, EXAFS, and toluene catalytic oxidation. <i>Journal of Catalysis</i> , 2014, 316, 130-140.	6.2	20
130	RuCl ₃ Supported on Na€Doped Graphene as a Reusable Catalyst for the One€Step Glucose Oxidation to Succinic Acid. <i>ChemCatChem</i> , 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. <i>Molecules</i> , 2017, 22, 2218.	3.8	20
132	Tantalum doped titania photocatalysts: Preparation by dc reactive sputtering and catalytic behavior. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2005, 174, 106-112.	3.9	19
133	Selective oxidation of a pyrimidine thioether using supported tantalum catalysts. <i>Journal of Catalysis</i> , 2005, 235, 184-194.	6.2	19
134	In situ structural changes during toluene complete oxidation on supported EuCoO ₃ monitored with 151Eu MÅ¶ssbauer spectroscopy. <i>Catalysis Today</i> , 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. <i>Catalysis Today</i> , 2008, 139, 161-167.	4.4	19
136	Photo-degradation of yperite over V, Fe and Mn-doped titania€silica photocatalysts. <i>Physical Chemistry Chemical Physics</i> , 2008, 10, 6562.	2.8	19
137	Heterogeneous Gold Catalyst: Synthesis, Characterization, and Application in 1,4-Addition of Boronic Acids to Enones. <i>ACS Catalysis</i> , 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. <i>Catalysis Science and Technology</i> , 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. <i>Crystal Growth and Design</i> , 2015, 15, 799-811.	3.0	18
140	Mechanochemical versus co-precipitated synthesized lanthanum-doped layered materials for olefin oxidation. <i>Applied Catalysis A: General</i> , 2017, 542, 10-20.	4.3	18
141	Doped ceria prepared by precipitation route for steam reforming of methane. <i>Catalysis Today</i> , 2018, 306, 166-171.	4.4	18
142	Nitrogen-doped graphene as metal free basic catalyst for coupling reactions. <i>Journal of Catalysis</i> , 2019, 376, 238-247.	6.2	18
143	Sonogashira Synthesis of New Porous Aromatic Framework-Entrapped Palladium Nanoparticles as Heterogeneous Catalysts for Suzuki€Miyaura Cross-Coupling. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 10428-10437.	8.0	18
144	Heterogeneous hydrogenation of bicyclo[2.2.2]octenes on Rh/TPPTS/LDH catalysts. <i>Journal of Molecular Catalysis A</i> , 2007, 276, 34-40.	4.8	17

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