

# Kyriaki Polychronopoulou

## List of Publications by Year in descending order

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157  
papers

7,652  
citations

38660

50  
h-index

64668

79  
g-index

159  
all docs

159  
docs citations

159  
times ranked

7953  
citing authors

#	ARTICLE	IF	CITATIONS
1	Silver Nanoparticle-Loaded Contact Lenses for Blue-Yellow Color Vision Deficiency. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2022, 219, 2100294.	0.8	14
2	Ni/CNT/Zeolite-Y composite catalyst for efficient heptane hydrocracking: Steady-state and transient kinetic studies. <i>Applied Catalysis A: General</i> , 2022, 630, 118437.	2.2	6
3	Catalytic fast pyrolysis of agricultural residues and dedicated energy crops for the production of high energy density transportation biofuels. Part I: Chemical pathways and bio-oil upgrading. <i>Renewable Energy</i> , 2022, 185, 483-505.	4.3	29
4	Elucidating the role of La <sup>3+</sup> /Sm <sup>3+</sup> in the carbon paths of dry reforming of methane over Ni/Ce-La(Sm)-Cu-O using transient kinetics and isotopic techniques. <i>Applied Catalysis B: Environmental</i> , 2022, 304, 121015.	10.8	23
5	Solvent-Influenced Fragmentations in Free-Standing Three-Dimensional Covalent Organic Framework Membranes for Hydrophobicity Switching. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	24
6	A comparative study of Ni catalysts supported on Al <sub>2</sub> O <sub>3</sub> , MgO-CaO-Al <sub>2</sub> O <sub>3</sub> and La <sub>2</sub> O <sub>3</sub> -Al <sub>2</sub> O <sub>3</sub> for the dry reforming of ethane. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 5337-5353.	3.8	26
7	Cerium oxide catalysts for oxidative coupling of methane reaction: Effect of lithium, samarium and lanthanum dopants. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 107259.	3.3	18
8	Hydrogen production via steam reforming of glycerol over Ce-La-Cu-O ternary oxide catalyst: An experimental and DFT study. <i>Applied Surface Science</i> , 2022, 586, 152798.	3.1	16
9	Oxidative coupling of methane on Li/CeO <sub>2</sub> based catalysts: Investigation of the effect of Mg- and La-doping of the CeO <sub>2</sub> support. <i>Molecular Catalysis</i> , 2022, 520, 112157.	1.0	9
10	Titelbild: Solvent-Influenced Fragmentations in Free-Standing Three-Dimensional Covalent Organic Framework Membranes for Hydrophobicity Switching ( <i>Angew. Chem.</i> 13/2022). <i>Angewandte Chemie</i> , 2022, 134, .	1.6	0
11	Catalytic fast pyrolysis of agricultural residues and dedicated energy crops for the production of high energy density transportation biofuels. Part II: Catalytic research. <i>Renewable Energy</i> , 2022, 189, 315-338.	4.3	18
12	Role of embedding choline chloride-urea deep eutectic solvent on biomass-derived porous activated carbon in its capacitive deionization performance. <i>Desalination</i> , 2022, 530, 115674.	4.0	11
13	Optimizing the oxide support composition in Pr-doped CeO <sub>2</sub> towards highly active and selective Ni-based CO <sub>2</sub> methanation catalysts. <i>Journal of Energy Chemistry</i> , 2022, 71, 547-561.	7.1	36
14	Transition Metal Phosphides (TMP) as a Versatile Class of Catalysts for the Hydrodeoxygenation Reaction (HDO) of Oil-Derived Compounds. <i>Nanomaterials</i> , 2022, 12, 1435.	1.9	18
15	Towards maximizing conversion of ethane and carbon dioxide into synthesis gas using highly stable Ni-perovskite catalysts. <i>Journal of CO<sub>2</sub> Utilization</i> , 2022, 61, 102046.	3.3	14
16	Insights into the thermal stability and conversion of carbon-based materials by using ReaxFF reactive force field: Recent advances and future directions. <i>Carbon</i> , 2022, 196, 840-866.	5.4	32
17	Polythiacalixarene-Embedded Gold Nanoparticles for Visible-Light-Driven Photocatalytic CO <sub>2</sub> Reduction. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 30796-30801.	4.0	8
18	Decoupling the Chemical and Mechanical Strain Effect on Steering the CO <sub>2</sub> Activation over CeO <sub>2</sub> -Based Oxides: An Experimental and DFT Approach. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 33094-33119.	4.0	17

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19	Nano-zerovalent manganese/biochar composite for the adsorptive and oxidative removal of Congo-red dye from aqueous solutions. <i>Journal of Hazardous Materials</i> , 2021, 403, 123854.	6.5	144
20	Highly selective and stable nickel catalysts supported on ceria promoted with Sm <sub>2</sub> O <sub>3</sub> , Pr <sub>2</sub> O <sub>3</sub> and MgO for the CO <sub>2</sub> methanation reaction. <i>Applied Catalysis B: Environmental</i> , 2021, 282, 119562.	10.8	149
21	Continuous selective deoxygenation of palm oil for renewable diesel production over Ni catalysts supported on Al <sub>2</sub> O <sub>3</sub> and La <sub>2</sub> O <sub>3</sub> "Al <sub>2</sub> O <sub>3</sub> ". <i>RSC Advances</i> , 2021, 11, 8569-8584.	1.7	21
22	A DFT study of the adsorption energy and electronic interactions of the SO <sub>2</sub> molecule on a CoP hydrotreating catalyst. <i>RSC Advances</i> , 2021, 11, 2947-2957.	1.7	49
23	Design Aspects of Doped CeO <sub>2</sub> for Low-Temperature Catalytic CO Oxidation: Transient Kinetics and DFT Approach. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 22391-22415.	4.0	70
24	High entropy oxides-exploring a paradigm of promising catalysts: A review. <i>Materials and Design</i> , 2021, 202, 109534.	3.3	140
25	Photocatalytic Degradation of Ethiofencarb by a Visible Light-Driven SnIn <sub>4</sub> S <sub>8</sub> Photocatalyst. <i>Nanomaterials</i> , 2021, 11, 1325.	1.9	16
26	Ni <sub>2</sub> P Nanoparticles Embedded in Mesoporous SiO <sub>2</sub> for Catalytic Hydrogenation of SO <sub>2</sub> to Elemental S. <i>ACS Applied Nano Materials</i> , 2021, 4, 5665-5676.	2.4	14
27	Adsorption of Hydrogen Sulfide at Low Temperatures Using an Industrial Molecular Sieve: An Experimental and Theoretical Study. <i>ACS Omega</i> , 2021, 6, 14774-14787.	1.6	29
28	Nickel Phosphide Nanoparticles for Selective Hydrogenation of SO <sub>2</sub> to H <sub>2</sub> S. <i>ACS Applied Nano Materials</i> , 2021, 4, 6568-6582.	2.4	11
29	Editorial "Special Issue "Catalysis for Energy Production". <i>Catalysts</i> , 2021, 11, 785.	1.6	1
30	CO Oxidation at Near-Ambient Temperatures over TiO <sub>2</sub> -Supported Pd-Cu Catalysts: Promoting Effect of Pd-Cu Nanointerface and TiO <sub>2</sub> Morphology. <i>Nanomaterials</i> , 2021, 11, 1675.	1.9	4
31	Highly selective and stable Ni/La-M (M=Sm, Pr, and Mg)-CeO <sub>2</sub> catalysts for CO <sub>2</sub> methanation. <i>Journal of CO<sub>2</sub> Utilization</i> , 2021, 51, 101618.	3.3	78
32	Metal-Free Phosphated Mesoporous SiO <sub>2</sub> as Catalyst for the Low-Temperature Conversion of SO <sub>2</sub> to H <sub>2</sub> S in Hydrogen. <i>Nanomaterials</i> , 2021, 11, 2440.	1.9	1
33	Nanoindentation and nanoscratch of sub-micron polymer nanocomposite films on compliant substrate. <i>Thin Solid Films</i> , 2021, 736, 138905.	0.8	2
34	Creep rupture in HP-Nb refractory steel tubes due to short-term overheating. <i>European Journal of Materials</i> , 2021, 1, 1-22.	0.8	1
35	Ni/Y <sub>2</sub> O <sub>3</sub> "ZrO <sub>2</sub> catalyst for hydrogen production through the glycerol steam reforming reaction. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 10442-10460.	3.8	85
36	Nano zerovalent zinc catalyzed peroxydisulfate based advanced oxidation technologies for treatment of chlorpyrifos in aqueous solution: A semi-pilot scale study. <i>Journal of Cleaner Production</i> , 2020, 246, 119032.	4.6	62

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37	Deep eutectic solvent-mediated synthesis of ceria nanoparticles with the enhanced yield for photocatalytic degradation of flumequine under UV-C. <i>Journal of Water Process Engineering</i> , 2020, 33, 101012.	2.6	67
38	Morphology-dependent electrochemical performance of MnO <sub>2</sub> nanostructures on graphene towards efficient capacitive deionization. <i>Electrochimica Acta</i> , 2020, 330, 135202.	2.6	55
39	Solar light responsive bismuth doped titania with Ti <sup>3+</sup> for efficient photocatalytic degradation of flumequine: Synergistic role of peroxymonosulfate. <i>Chemical Engineering Journal</i> , 2020, 384, 123255.	6.6	62
40	Cu-Ce-La-Ox as efficient CO oxidation catalysts: Effect of Cu content. <i>Applied Surface Science</i> , 2020, 505, 144474.	3.1	39
41	Promoting effect of CaO-MgO mixed oxide on Ni <sup>13</sup> -Al <sub>2</sub> O <sub>3</sub> catalyst for selective catalytic deoxygenation of palm oil. <i>Renewable Energy</i> , 2020, 162, 1793-1810.	4.3	47
42	Ultrasmall Metal-Doped CeO <sub>2</sub> Nanoparticles for Low-Temperature CO Oxidation. <i>ACS Applied Nano Materials</i> , 2020, 3, 10805-10813.	2.4	33
43	The Effect of Noble Metal (M: Ir, Pt, Pd) on M/Ce <sub>2</sub> O <sub>3</sub> - $\gamma$ -Al <sub>2</sub> O <sub>3</sub> Catalysts for Hydrogen Production via the Steam Reforming of Glycerol. <i>Catalysts</i> , 2020, 10, 790.	1.6	18
44	A Review on New 3-D Printed Materialsâ€™ Geometries for Catalysis and Adsorption: Paradigms from Reforming Reactions and CO <sub>2</sub> Capture. <i>Nanomaterials</i> , 2020, 10, 2198.	1.9	22
45	Effect of operating parameters on the selective catalytic deoxygenation of palm oil to produce renewable diesel over Ni supported on Al <sub>2</sub> O <sub>3</sub> , ZrO <sub>2</sub> and SiO <sub>2</sub> catalysts. <i>Fuel Processing Technology</i> , 2020, 209, 106547.	3.7	65
46	Graphene Nanoplatelets-Based Ni-Zeolite Composite Catalysts for Heptane Hydrocracking. <i>Journal of Carbon Research</i> , 2020, 6, 31.	1.4	5
47	Nano-zerovalent copper as a Fenton-like catalyst for the degradation of ciprofloxacin in aqueous solution. <i>Journal of Water Process Engineering</i> , 2020, 37, 101325.	2.6	48
48	Activated Carbon Derived from <i>Phoenix dactylifera</i> (Palm Tree) and Decorated with MnO <sub>2</sub> Nanoparticles for Enhanced Hybrid Capacitive Deionization Electrodes. <i>ChemistrySelect</i> , 2020, 5, 3248-3256.	0.7	29
49	Recent Advances in Metal-Catalyzed Alkylâ€“Boron (C(sp <sup>3</sup> )â€“C(sp <sup>2</sup> )) Suzuki-Miyaura Cross-Couplings. <i>Catalysts</i> , 2020, 10, 296.	1.6	39
50	Synthesis and performance evaluation of hydrocracking catalysts: A review. <i>Journal of Industrial and Engineering Chemistry</i> , 2020, 89, 83-103.	2.9	68
51	Microporous Elastomer Filter Coated with Metal Organic Frameworks for Improved Selectivity and Stability of Metal Oxide Gas Sensors. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 13338-13347.	4.0	39
52	Synthesis of nitrogen-doped Ceria nanoparticles in deep eutectic solvent for the degradation of sulfamethaxazole under solar irradiation and additional antibacterial activities. <i>Chemical Engineering Journal</i> , 2020, 394, 124869.	6.6	65
53	Synthesis of hierarchical porous Zeolite-Y for enhanced CO <sub>2</sub> capture. <i>Microporous and Mesoporous Materials</i> , 2020, 303, 110261.	2.2	73
54	Cu, Sm co-doping effect on the CO oxidation activity of CeO <sub>2</sub> . A combined experimental and density functional study. <i>Applied Surface Science</i> , 2020, 521, 146305.	3.1	61

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55	Mesoporous silica decorated copper hydroxides/oxides heterostructures as superior regenerable sorbents for low temperature H <sub>2</sub> S removal. <i>Chemical Engineering Journal</i> , 2020, 398, 125585.	6.6	20
56	Investigating the correlation between deactivation and the carbon deposited on the surface of Ni/Al <sub>2</sub> O <sub>3</sub> and Ni/La <sub>2</sub> O <sub>3</sub> -Al <sub>2</sub> O <sub>3</sub> catalysts during the biogas reforming reaction. <i>Applied Surface Science</i> , 2019, 474, 42-56.	3.1	128
57	The Relationship between Reaction Temperature and Carbon Deposition on Nickel Catalysts Based on Al <sub>2</sub> O <sub>3</sub> , ZrO <sub>2</sub> or SiO <sub>2</sub> Supports during the Biogas Dry Reforming Reaction. <i>Catalysts</i> , 2019, 9, 676.	1.6	72
58	Ni Catalysts Based on Attapulgite for Hydrogen Production through the Glycerol Steam Reforming Reaction. <i>Catalysts</i> , 2019, 9, 650.	1.6	23
59	Nanostructured Fe-Ni Sulfide: A Multifunctional Material for Energy Generation and Storage. <i>Catalysts</i> , 2019, 9, 597.	1.6	21
60	An Efficient Method to Predict Compressibility Factor of Natural Gas Streams. <i>Energies</i> , 2019, 12, 2577.	1.6	16
61	Synergistic effects of activated carbon and nano-zerovalent copper on the performance of hydroxyapatite-alginate beads for the removal of As <sup>3+</sup> from aqueous solution. <i>Journal of Cleaner Production</i> , 2019, 235, 875-886.	4.6	108
62	Ce-Sm-Cu cost-efficient catalysts for H <sub>2</sub> production through the glycerol steam reforming reaction. <i>Sustainable Energy and Fuels</i> , 2019, 3, 673-691.	2.5	34
63	Nickel Supported on AlCeO <sub>3</sub> as a Highly Selective and Stable Catalyst for Hydrogen Production via the Glycerol Steam Reforming Reaction. <i>Catalysts</i> , 2019, 9, 411.	1.6	39
64	Influence of salt on nanozeolite-Y particles size synthesized under organic template-free condition. <i>Microporous and Mesoporous Materials</i> , 2019, 282, 73-81.	2.2	19
65	Electrodeposited Nanostructured CoFe <sub>2</sub> O <sub>4</sub> for Overall Water Splitting and Supercapacitor Applications. <i>Catalysts</i> , 2019, 9, 176.	1.6	65
66	Development of novel surfactant functionalized porous graphitic carbon as an efficient adsorbent for the removal of methylene blue dye from aqueous solutions. <i>Journal of Water Process Engineering</i> , 2019, 28, 69-81.	2.6	37
67	Ni supported on CaO-MgO-Al <sub>2</sub> O <sub>3</sub> as a highly selective and stable catalyst for H <sub>2</sub> production via the glycerol steam reforming reaction. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 256-273.	3.8	138
68	The influence of SiO <sub>2</sub> doping on the Ni/ZrO <sub>2</sub> supported catalyst for hydrogen production through the glycerol steam reforming reaction. <i>Catalysis Today</i> , 2019, 319, 206-219.	2.2	67
69	Calix[4]arene-Based Porous Organic Nanosheets. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 17359-17365.	4.0	39
70	Underwater Robotic Welding of Lap Joints with Sandwiched Reactive Multilayers: Thermal, Mechanical and Material Analysis. <i>MRS Advances</i> , 2018, 3, 911-920.	0.5	3
71	Tailoring the efficiency of an active catalyst for CO abatement through oxidation reaction: The case study of samarium-doped ceria. <i>Journal of Environmental Chemical Engineering</i> , 2018, 6, 266-280.	3.3	28
72	Studying the stability of Ni supported on modified with CeO <sub>2</sub> alumina catalysts for the biogas dry reforming reaction. <i>Materials Today: Proceedings</i> , 2018, 5, 27607-27616.	0.9	17

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73	The Effect of Ni Addition onto a Cu-Based Ternary Support on the H <sub>2</sub> Production over Glycerol Steam Reforming Reaction. <i>Nanomaterials</i> , 2018, 8, 931.	1.9	24
74	Tuning the activity of Cu-containing rare earth oxide catalysts for CO oxidation reaction: Cooling while heating paradigm in microwave-assisted synthesis. <i>Materials Research Bulletin</i> , 2018, 108, 142-150.	2.7	25
75	An in depth investigation of deactivation through carbon formation during the biogas dry reforming reaction for Ni supported on modified with CeO <sub>2</sub> and La <sub>2</sub> O <sub>3</sub> zirconia catalysts. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 18955-18976.	3.8	165
76	Cu-Ce-O catalyst revisited for exceptional activity at low temperature CO oxidation reaction. <i>Surface and Coatings Technology</i> , 2018, 354, 313-323.	2.2	31
77	Elevated-Temperature and -Pressure Tribology of Drilling Fluids Used in Oil and Gas Extended-Reach-Drilling Applications. <i>SPE Journal</i> , 2018, 23, 2339-2350.	1.7	10
78	Hierarchical AlPO <sub>4</sub> -5 and SAPO-5 microporous molecular sieves with mesoporous connectivity for water sorption applications. <i>Surface and Coatings Technology</i> , 2018, 353, 378-386.	2.2	37
79	Reduced Graphene Oxide: Effect of Reduction on Electrical Conductivity. <i>Journal of Composites Science</i> , 2018, 2, 25.	1.4	61
80	Synthesis of nanoporous zeolite-Y and zeolite-Y/GO nanocomposite using polyelectrolyte functionalized graphene oxide. <i>Surface and Coatings Technology</i> , 2018, 350, 369-375.	2.2	22
81	Nano-architectural advancement of CeO <sub>2</sub> -driven catalysis via electrospinning. <i>Surface and Coatings Technology</i> , 2018, 350, 245-280.	2.2	12
82	The potential of glycerol and phenol towards H <sub>2</sub> production using steam reforming reaction: A review. <i>Surface and Coatings Technology</i> , 2018, 352, 92-111.	2.2	71
83	Highly Hydrophobic ZIF-8/Carbon Nitride Foam with Hierarchical Porosity for Oil Capture and Chemical Fixation of CO <sub>2</sub> . <i>Advanced Functional Materials</i> , 2017, 27, 1700706.	7.8	119
84	Three-body abrasive wear by (silica) sand of advanced polymeric coatings for tilting pad bearings. <i>Wear</i> , 2017, 382-383, 40-50.	1.5	38
85	Solvothermal synthesis, nanostructural characterization and gas cryo-adsorption studies in a metal-organic framework (IRMOF-1) material. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 23899-23907.	3.8	28
86	Hydrogen production via the glycerol steam reforming reaction over nickel supported on alumina and lanthana-alumina catalysts. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 13039-13060.	3.8	100
87	Glycerol Steam Reforming for Hydrogen Production over Nickel Supported on Alumina, Zirconia and Silica Catalysts. <i>Topics in Catalysis</i> , 2017, 60, 1226-1250.	1.3	79
88	Transition metal complex directed synthesis of porous cationic polymers for efficient CO <sub>2</sub> capture and conversion. <i>Polymer</i> , 2017, 126, 296-302.	1.8	15
89	Rapid microwave assisted sol-gel synthesis of CeO <sub>2</sub> and Ce <sub>x</sub> Sm <sub>1-x</sub> O <sub>2</sub> nanoparticle catalysts for CO oxidation. <i>Molecular Catalysis</i> , 2017, 428, 41-55.	1.0	62
90	Influence of Graphene Reduction and Polymer Cross-Linking on Improving the Interfacial Properties of Multilayer Thin Films. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 1107-1118.	4.0	19

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91	High temperature nanotribology of ultra-thin hydrogenated amorphous carbon coatings. <i>Carbon</i> , 2017, 123, 112-121.	5.4	27
92	Nanoporous activated carbon cloth as a versatile material for hydrogen adsorption, selective gas separation and electrochemical energy storage. <i>Nano Energy</i> , 2017, 40, 49-64.	8.2	101
93	Mercouri G. Kanatzidis: Excellence and Innovations in Inorganic and Solid-State Chemistry. <i>Inorganic Chemistry</i> , 2017, 56, 7582-7597.	1.9	7
94	Chemical Blowing Approach for Ultramicroporous Carbon Nitride Frameworks and Their Applications in Gas and Energy Storage. <i>Advanced Functional Materials</i> , 2017, 27, 1604658.	7.8	92
95	The Effect of WO <sub>3</sub> Modification of ZrO <sub>2</sub> Support on the Ni-Catalyzed Dry Reforming of Biogas Reaction for Syngas Production. <i>Frontiers in Environmental Science</i> , 2017, 5, .	1.5	26
96	Synthesis and properties of 1D Sm-doped CeO <sub>2</sub> composite nanofibers fabricated using a coupled electrospinning and sol-gel methodology. <i>Ceramics International</i> , 2016, 42, 10734-10744.	2.3	20
97	Multifunctional redox-tuned viologen-based covalent organic polymers. <i>Journal of Materials Chemistry A</i> , 2016, 4, 15361-15369.	5.2	114
98	Synthesis of Highly Porous Coordination Polymers with Open Metal Sites for Enhanced Gas Uptake and Separation. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 26860-26867.	4.0	46
99	Few-step synthesis, thermal purification and structural characterization of porous boron nitride nanoplatelets. <i>Materials and Design</i> , 2016, 110, 540-548.	3.3	23
100	Porous cationic polymers: the impact of counteranions and charges on CO <sub>2</sub> capture and conversion. <i>Chemical Communications</i> , 2016, 52, 934-937.	2.2	162
101	Lightweight and Highly Conductive Aerogel-like Carbon from Sugarcane with Superior Mechanical and EMI Shielding Properties. <i>ACS Sustainable Chemistry and Engineering</i> , 2015, 3, 1419-1427.	3.2	160
102	Nanomechanical and nanotribological behaviors of hafnium boride thin films. <i>Thin Solid Films</i> , 2015, 595, 84-91.	0.8	14
103	Nanoporous spongy graphene: Potential applications for hydrogen adsorption and selective gas separation. <i>Thin Solid Films</i> , 2015, 596, 242-249.	0.8	23
104	Synthesis of nanoporous graphene oxide adsorbents by freeze-drying or microwave radiation: Characterization and hydrogen storage properties. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 6844-6852.	3.8	30
105	Chalcogenide Aerogels as Sorbents for Radioactive Iodine. <i>Chemistry of Materials</i> , 2015, 27, 2619-2626.	3.2	186
106	Low-temperature water-gas shift on Pt/Ce <sub>0.8</sub> La <sub>0.2</sub> O <sub>2</sub> -CNT: The effect of Ce <sub>0.8</sub> La <sub>0.2</sub> O <sub>2</sub> /CNT ratio. <i>Applied Catalysis A: General</i> , 2015, 504, 585-598.	2.2	15
107	Nanoporous Polymers Incorporating Sterically Confined N-Heterocyclic Carbenes for Simultaneous CO <sub>2</sub> Capture and Conversion at Ambient Pressure. <i>Chemistry of Materials</i> , 2015, 27, 6818-6826.	3.2	116
108	Thermal and chemical stability of hexagonal boron nitride (h-BN) nanoplatelets. <i>Vacuum</i> , 2015, 112, 42-45.	1.6	236

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109	Hierarchical structures produced using unbalanced magnetron sputtering for photocatalytic degradation of Rhodamine 6G dye. <i>Journal of Nanoparticle Research</i> , 2014, 16, 1.	0.8	1
110	Carbon Aerogel from Winter Melon for Highly Efficient and Recyclable Oils and Organic Solvents Absorption. <i>ACS Sustainable Chemistry and Engineering</i> , 2014, 2, 1492-1497.	3.2	296
111	From biomass to high performance solar-thermal and electric-thermal energy conversion and storage materials. <i>Journal of Materials Chemistry A</i> , 2014, 2, 7759-7765.	5.2	213
112	Shear strength measurements of hafnium diboride thin solid films. <i>Wear</i> , 2014, 318, 168-176.	1.5	7
113	Tribological performance comparing different refrigerant-lubricant systems: The case of environmentally friendly HFO-1234yf refrigerant. <i>Tribology International</i> , 2014, 78, 176-186.	3.0	28
114	Highly Electrically Conductive Nanocomposites Based on Polymer-Infused Graphene Sponges. <i>Scientific Reports</i> , 2014, 4, 4652.	1.6	45
115	Water-Gas Shift Reaction on Pt/Ce <sub>1-x</sub> Ti <sub>x</sub> O <sub>2</sub> : The Effect of Ce/Ti Ratio. <i>Journal of Physical Chemistry C</i> , 2013, 117, 25467-25477.	1.5	48
116	Tribological performance of environmentally friendly refrigerant HFO-1234yf under starved lubricated conditions. <i>Wear</i> , 2013, 304, 191-201.	1.5	16
117	Chalcogen-Based Aerogels As Sorbents for Radionuclide Remediation. <i>Environmental Science &amp; Technology</i> , 2013, 47, 7540-7547.	4.6	161
118	Lubricity of environmentally friendly HFO-1234yf refrigerant. <i>Tribology International</i> , 2013, 57, 92-100.	3.0	27
119	Novel Catalytic Systems for Hydrogen Production via the Water-Gas Shift Reaction. <i>Conference Papers in Energy</i> , 2013, 2013, 1-8.	0.5	2
120	Selective Surfaces: Quaternary Co(Ni)MoS-Based Chalcogels with Divalent (Pb <sup>2+</sup> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 30 Separation. <i>Chemistry of Materials</i> , 2012, 24, 3380-3392.	3.2	63
121	Oxy-chlorination as an effective treatment of aged Pd/CeO <sub>2</sub> -Al <sub>2</sub> O <sub>3</sub> catalysts for Pd redispersion. <i>Applied Catalysis B: Environmental</i> , 2012, 111-112, 349-359.	10.8	20
122	Tailoring MgO-based supported Rh catalysts for purification of gas streams from phenol. <i>Applied Catalysis B: Environmental</i> , 2012, 111-112, 360-375.	10.8	52
123	NO <sub>x</sub> Control via H <sub>2</sub> -Selective Catalytic Reduction (H <sub>2</sub> -SCR) Technology for Stationary and Mobile Applications. <i>Recent Patents on Materials Science</i> , 2012, 5, 87-104.	0.5	23
124	Novel CeO <sub>2</sub> -based screen-printed potentiometric electrodes for pH monitoring. <i>Talanta</i> , 2011, 87, 126-135.	2.9	24
125	Textured VN coatings with Ag <sub>3</sub> VO <sub>4</sub> solid lubricant reservoirs. <i>Surface and Coatings Technology</i> , 2011, 206, 1932-1935.	2.2	31
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#	ARTICLE	IF	CITATIONS
127	Tribological study of high bearing blended polymer-based coatings for air-conditioning and refrigeration compressors. <i>Surface and Coatings Technology</i> , 2011, 205, 2994-3005.	2.2	33
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129	Ceria-Based Materials for Hydrogen Production Via Hydrocarbon Steam Reforming and Water-Gas Shift Reactions. <i>Recent Patents on Materials Science</i> , 2011, 4, 122-145.	0.5	8
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