

Ranga Rao Gangavarapu

List of Publications by Year in descending order

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147
docs citations

147
times ranked

9404
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultralayered Co ₃ O ₄ for High-Performance Supercapacitor Applications. Journal of Physical Chemistry C, 2011, 115, 15646-15654.	3.1	902
2	Rh-Loaded CeO ₂ -ZrO ₂ Solid-Solutions as Highly Efficient Oxygen Exchangers: Dependence of the Reduction Behavior and the Oxygen Storage Capacity on the Structural-Properties. Journal of Catalysis, 1995, 151, 168-177.	6.2	830
3	Microwave-Mediated Synthesis for Improved Morphology and Pseudocapacitance Performance of Nickel Oxide. ACS Applied Materials & Interfaces, 2011, 3, 2063-2073.	8.0	416
4	Nanoscale morphology dependent pseudocapacitance of NiO: Influence of intercalating anions during synthesis. Nanoscale, 2011, 3, 683-692.	5.6	280
5	Tuning of Capacitance Behavior of NiO Using Anionic, Cationic, and Nonionic Surfactants by Hydrothermal Synthesis. Journal of Physical Chemistry C, 2010, 114, 5203-5210.	3.1	276
6	Effect of Microwave on the Nanowire Morphology, Optical, Magnetic, and Pseudocapacitance Behavior of Co ₃ O ₄ . Journal of Physical Chemistry C, 2011, 115, 25543-25556.	3.1	240
7	Reduction of NO over Partially Reduced Metal-Loaded CeO ₂ -ZrO ₂ Solid Solutions. Journal of Catalysis, 1996, 162, 1-9.	6.2	202
8	Pine-cone morphology and pseudocapacitive behavior of nanoporous nickel oxide. Electrochimica Acta, 2010, 55, 8388-8396.	5.2	186
9	Archetypal sandwich-structured CuO for high performance non-enzymatic sensing of glucose. Nanoscale, 2013, 5, 2089.	5.6	167
10	Urchin and sheaf-like NiCo ₂ O ₄ nanostructures: Synthesis and electrochemical energy storage application. International Journal of Hydrogen Energy, 2014, 39, 15627-15638.	7.1	153
11	XRD and UV-Vis diffuse reflectance analysis of CeO ₂ -ZrO ₂ solid solutions synthesized by combustion method. Journal of Chemical Sciences, 2001, 113, 651-658.	1.5	148
12	Enhanced activity of microwave synthesized hierarchical MnO ₂ for high performance supercapacitor applications. Journal of Power Sources, 2012, 215, 317-328.	7.8	147
13	Polymer-Assisted Hydrothermal Synthesis of Highly Reducible Shuttle-Shaped CeO ₂ : Microstructural Effect on Promoting Pt/C for Methanol Electrooxidation. ACS Catalysis, 2012, 2, 2795-2809.	11.2	141
14	NO decomposition over partially reduced metallized CeO ₂ -ZrO ₂ solid solutions. Catalysis Letters, 1994, 24, 107-112.	2.6	139
15	CoS spheres for high-rate electrochemical capacitive energy storage application. International Journal of Hydrogen Energy, 2010, 35, 9709-9715.	7.1	139
16	Construction of ternary hybrid layered reduced graphene oxide supported g-C ₃ N ₄ -TiO ₂ nanocomposite and its photocatalytic hydrogen production activity. International Journal of Hydrogen Energy, 2018, 43, 3892-3904.	7.1	137
17	Characterization of combustion synthesized zirconia powder by UV-vis, IR and other techniques. Bulletin of Materials Science, 2000, 23, 349-354.	1.7	132
18	Synthesis and characterization of hybrid molecular material prepared by ionic liquid and silicotungstic acid. Materials Chemistry and Physics, 2008, 112, 853-857.	4.0	131

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19	NiCo ₂ O ₄ hexagonal nanoplates anchored on reduced graphene oxide sheets with enhanced electrocatalytic activity and stability for methanol and water oxidation. <i>Electrochimica Acta</i> , 2016, 213, 717-729.	5.2	131
20	Extending the π -electron conjugation in 2D planar graphitic carbon nitride: efficient charge separation for overall water splitting. <i>Journal of Materials Chemistry A</i> , 2019, 7, 3757-3771.	10.3	128
21	Promoting effect of ceria on the physicochemical and catalytic properties of CeO ₂ @ZnO composite oxide catalysts. <i>Journal of Molecular Catalysis A</i> , 2006, 243, 204-213.	4.8	126
22	Synthesis of mesoporous NiCo ₂ O ₄ @rGO by a solvothermal method for charge storage applications. <i>RSC Advances</i> , 2015, 5, 66657-66666.	3.6	115
23	Methanol oxidation on MoO ₃ promoted Pt/C electrocatalyst. <i>International Journal of Hydrogen Energy</i> , 2011, 36, 5875-5884.	7.1	111
24	Nature of nitrogen adsorbed on transition metal surfaces as revealed by electron spectroscopy and cognate techniques. <i>Surface Science Reports</i> , 1991, 13, 223-263.	7.2	105
25	Magnetic, optical and electrocatalytic properties of urchin and sheaf-like NiCo ₂ O ₄ nanostructures. <i>Materials Chemistry and Physics</i> , 2015, 165, 235-244.	4.0	103
26	Surface and catalytic properties of Cu@CeO composite oxides prepared by combustion method. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2003, 220, 261-269.	4.7	101
27	Morphology-Controlled Promoting Activity of Nanostructured MnO ₂ for Methanol and Ethanol Electrooxidation on Pt/C. <i>Journal of Physical Chemistry C</i> , 2013, 117, 4888-4900.	3.1	94
28	Enhanced activity of methanol electro-oxidation on Pt@V ₂ O ₅ /C catalysts. <i>Catalysis Today</i> , 2009, 141, 138-143.	4.4	87
29	High performance Pt@Nb ₂ O ₅ /C electrocatalysts for methanol electrooxidation in acidic media. <i>Applied Catalysis B: Environmental</i> , 2010, 100, 510-515.	20.2	82
30	Investigation of hybrid molecular material prepared by ionic liquid and polyoxometalate anion. <i>Journal of Chemical Sciences</i> , 2008, 120, 587-594.	1.5	78
31	Synthesis and characterization of 1-butyl 3-methyl imidazolium phosphomolybdate molecular salt. <i>Solid State Sciences</i> , 2009, 11, 36-42.	3.2	78
32	Highly active and stable multi-walled carbon nanotubes-graphene-TiO ₂ nanohybrid: An efficient non-noble metal photocatalyst for water splitting. <i>Catalysis Today</i> , 2019, 321-322, 120-127.	4.4	75
33	Nanojunction-mediated visible light photocatalytic enhancement in heterostructured ternary BiOCl/CdS/g-C ₃ N ₄ nanocomposites. <i>Catalysis Today</i> , 2019, 321-322, 18-25.	4.4	72
34	Characterization of hybrid molecular material prepared by 1-butyl 3-methyl imidazolium bromide and phosphotungstic acid. <i>Materials Letters</i> , 2008, 62, 4134-4136.	2.6	65
35	Vanadium pentoxide nanochains for high-performance electrochemical supercapacitors. <i>Journal of Colloid and Interface Science</i> , 2016, 472, 210-219.	9.4	64
36	Influence of metal particles on the reduction properties of ceria-based materials studied by TPR. <i>Bulletin of Materials Science</i> , 1999, 22, 89-94.	1.7	61

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37	NiCo ₂ O ₄ /rGO hybrid nanostructures for efficient electrocatalytic oxygen evolution. Journal of Solid State Electrochemistry, 2016, 20, 2725-2736.	2.5	60
38	Physicochemical and catalytic properties of Zr-pillared montmorillonite with varying pillar density. Microporous and Mesoporous Materials, 2004, 70, 43-50.	4.4	59
39	Interaction of Keggin anions of 12-tungstophosphoric acid with solid solutions. Journal of Colloid and Interface Science, 2008, 324, 134-141.	9.4	59
40	Fabrication of NiCo ₂ S ₄ nanoball embedded nitrogen doped mesoporous carbon on nickel foam as an advanced charge storage material. Electrochimica Acta, 2018, 268, 139-149.	5.2	58
41	Sol-gel-cum-hydrothermal synthesis of mesoporous Co-Fe@Al ₂ O ₃ @MCM-41 for methylene blue remediation. Journal of Chemical Sciences, 2017, 129, 381-395.	1.5	57
42	Micro and nano-architectures of Co ₃ O ₄ on Ni foam for electro-oxidation of methanol. International Journal of Hydrogen Energy, 2018, 43, 4706-4715.	7.1	57
43	In situ fabrication of graphene decorated microstructured globe artichokes of partial molar nickel cobaltite anchored on a Ni foam as a high-performance supercapacitor electrode. RSC Advances, 2015, 5, 38407-38416.	3.6	55
44	Nitrogen doped mesoporous carbon supported Pt electrocatalyst for oxygen reduction reaction in proton exchange membrane fuel cells. International Journal of Hydrogen Energy, 2018, 43, 4716-4725.	7.1	55
45	A comparative UV-vis-diffuse reflectance study on the location and interaction of cerium ions in Al- and Zr-pillared montmorillonite clays. Materials Chemistry and Physics, 2005, 89, 110-115.	4.0	50
46	Alcohol induced ultra-fine dispersion of Pt on tuned morphologies of CeO ₂ for CO oxidation. Applied Catalysis B: Environmental, 2013, 130-131, 121-131.	20.2	49
47	Synthesis of CuO, Cu and CuNi alloy particles by solution combustion using carbohydrazide and N-tertiarybutoxy-carbonylpiperazine fuels. Materials Letters, 2004, 58, 3523-3527.	2.6	47
48	In situ fabrication of porous festuca scoparia-like Ni _{0.3} Co _{2.7} O ₄ nanostructures on Ni-foam: An efficient electrode material for supercapacitor applications. International Journal of Hydrogen Energy, 2015, 40, 12303-12314.	7.1	47
49	Effect of solvents on the morphology of NiCo ₂ O ₄ /graphene nanostructures for electrochemical pseudocapacitor application. Journal of Solid State Electrochemistry, 2016, 20, 1837-1844.	2.5	43
50	Nature and catalytic activity of bimetallic CuNi particles on CeO ₂ support. Catalysis Today, 2012, 198, 140-147.	4.4	42
51	Significance of optimal N-doping in mesoporous carbon framework to achieve high specific capacitance. Applied Surface Science, 2017, 418, 40-48.	6.1	41
52	Electrocatalytic Activity of Pd ₂₀ Ag Nanoparticles Embedded in Carbon Nanotubes for Methanol Oxidation in Alkaline Media. ACS Applied Energy Materials, 2018, 1, 3763-3770.	5.1	39
53	Visible light induced efficient hydrogen production through semiconductor-conductor-semiconductor (S ⁺ C ⁺ S) interfaces formed between g-C ₃ N ₄ and rGO/Fe ₂ O ₃ core-shell composites. Catalysis Science and Technology, 2018, 8, 5081-5090.	4.1	39
54	Superconductivity in the Bi ₂ (Ca, Sr) _{n+1} Cu _n O _{2n+4} (n=1, 2, or 3) series: Synthesis, characterization and mechanism. Physica C: Superconductivity and Its Applications, 1988, 156, 827-833.	1.2	38

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55	Investigation of 12-Tungstophosphoric Acid Supported on Ce _{0.5} Zr _{0.5} O ₂ Solid Solution. <i>Catalysis Letters</i> , 2008, 120, 261-273.	2.6	38
56	Charge storage, electrocatalytic and sensing activities of nest-like nanostructured Co ₃ O ₄ . <i>Journal of Colloid and Interface Science</i> , 2017, 487, 20-30.	9.4	38
57	Facile hydrothermal synthesis of urchin-like cobalt manganese spinel for high-performance supercapacitor applications. <i>Journal of Colloid and Interface Science</i> , 2017, 503, 17-27.	9.4	37
58	Machine learning-based prediction of supercapacitor performance for a novel electrode material: Cerium oxynitride. <i>Energy Storage Materials</i> , 2021, 40, 426-438.	18.0	35
59	High energy density symmetric capacitor using zinc cobaltate flowers grown in situ on Ni foam. <i>Electrochimica Acta</i> , 2018, 261, 265-274.	5.2	33
60	Hierarchically Organized NiCo ₂ O ₄ Microflowers Anchored on Multiwalled Carbon Nanotubes: Efficient Bifunctional Electrocatalysts for Oxygen and Hydrogen Evolution Reactions. <i>ChemPlusChem</i> , 2020, 85, 183-194.	2.8	33
61	Spinel ZnCo ₂ O ₄ nanosheets as carbon and binder free electrode material for energy storage and electroreduction of H ₂ O ₂ . <i>Journal of Alloys and Compounds</i> , 2017, 696, 947-955.	5.5	32
62	Synthesis of CuTi-LDH supported on g-C ₃ N ₄ for electrochemical and photoelectrochemical oxygen evolution reactions. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 16414-16430.	7.1	32
63	Porous hydrous zirconia supported 12-tungstophosphoric acid catalysts for liquid-phase esterification of 2-ethyl-1-hexanol. <i>Journal of Molecular Catalysis A</i> , 2008, 295, 1-9.	4.8	30
64	A high energy flexible symmetric supercapacitor fabricated using N-doped activated carbon derived from palm flowers. <i>Nanoscale Advances</i> , 2021, 3, 5417-5429.	4.6	30
65	State of bismuth in BaBiO ₃ and BaBi _{1-x} Pb _x O ₃ : Bi ⁴⁺ photoemission and Bi ³⁺ absorption spectroscopic studies. <i>Applied Physics Letters</i> , 1990, 57, 1823-1824.	3.3	29
66	Momordica Charantia pericarp derived activated carbon with dual redox additive electrolyte for high energy density supercapacitor devices. <i>Journal of Energy Storage</i> , 2022, 48, 104048.	8.1	29
67	Enhanced photodegradation of dyes and mixed dyes by heterogeneous mesoporous Co ₂ /Al ₂ O ₃ MCM-41 nanocomposites: nanoparticles formation, semiconductor behavior and mesoporosity. <i>RSC Advances</i> , 2016, 6, 94263-94277.	3.6	28
68	Energy storage study of trimetallic Cu ₂ M ₂ Sn ₄ (M: Fe, Co, Ni) nanomaterials prepared by sequential crystallization method. <i>Journal of Solid State Chemistry</i> , 2020, 282, 121049.	2.9	27
69	Promoting effect of CeO ₂ on cyclohexanol conversion over CeO ₂ -ZnO mixed oxide materials prepared by amorphous citrate process. <i>Bulletin of Materials Science</i> , 2002, 25, 155-162.	1.7	26
70	In situ grown nano-architectures of Co ₃ O ₄ on Ni-foam for charge storage application. <i>Journal of Chemical Sciences</i> , 2017, 129, 157-166.	1.5	26
71	The corrosion inhibition of stainless steel by ferrocene-polyoxometalate hybrid molecular materials: experimental and first principles studies. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 3329-3344.	2.8	26
72	Assignment of surface IR absorption spectra observed in the oxidation reactions: 2H ₂ +H ₂ O/Si(100) and H ₂ O+H ₂ /Si(100). <i>Surface Science</i> , 2005, 575, 330-342.	1.9	24

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73	Activated zirconium carbide promoted Pt/C electrocatalyst for oxygen reduction. Applied Catalysis B: Environmental, 2014, 144, 767-774.	20.2	24
74	Role of the Cu-O charge-transfer energy in the superconductivity of cuprates: Evidence from Cu 2p core-level spectroscopy and theory. Physical Review B, 1990, 42, 1026-1028.	3.2	23
75	Fabrication of the Mesoporous Fe@MnO ₂ NPs@MCM-41 Nanocomposite: An Efficient Photocatalyst for Rapid Degradation of Phenolic Compounds. Journal of Physical Chemistry C, 2015, 119, 14145-14159.	3.1	23
76	Oxidation of Aniline to Nitrobenzene Catalysed by 1-Butyl-3-methyl imidazolium phosphotungstate Hybrid Material Using m-chloroperbenzoic Acid as an Oxidant. Catalysis Letters, 2018, 148, 246-257.	2.6	23
77	Nanocomposites of digestively ripened copper oxide quantum dots and graphene oxide as a binder free battery-like supercapacitor electrode material. Electrochimica Acta, 2019, 321, 134709.	5.2	23
78	Influence of Synthesis Conditions and Cerium Incorporation on the Properties of Zr-Pillared Clays. Journal of Porous Materials, 2003, 10, 93-103.	2.6	22
79	Al-pillared clay supported CuPd catalysts for nitrate reduction. Journal of Porous Materials, 2007, 14, 205-212.	2.6	22
80	Metal Oxide Promoted Electrocatalysts for Methanol Oxidation. Catalysis Surveys From Asia, 2011, 15, 221-229.	2.6	22
81	Bismuth oxycarbonate grafted NiFe-LDH supported on g-C ₃ N ₄ as bifunctional catalyst for photoelectrochemical water splitting. International Journal of Hydrogen Energy, 2021, 46, 12145-12157.	7.1	22
82	Evidence for holes on oxygen in some nickel oxides. Journal of Physics Condensed Matter, 1989, 1, 2147-2150.	1.8	21
83	Surface alloy formation at the Sm/Ru(001) interface: evidence from Ru 3d core-level emission. Surface Science, 1995, 327, 293-300.	1.9	21
84	Tuning the Surface Morphology and Pseudocapacitance of MnO ₂ by a Facile Green Method Employing Organic Reducing Sugars. ACS Applied Energy Materials, 2018, 1, 3654-3664.	5.1	21
85	Nature of copper in the new cuprate superconductors Pb ₂ Sr ₂ Ca _{1-x} LxCu ₃ O _{8+y} . Physical Review B, 1989, 39, 9621-9623.	3.2	19
86	Multifunctional hierarchical ZnIn ₂ S ₄ microflowers with photocatalytic and pseudocapacitive behavior. Solar Energy, 2019, 193, 806-813.	6.1	19
87	Synthesis of CuNi and CuNi/SBA-15 by aqueous method at room temperature and their catalytic activity. Microporous and Mesoporous Materials, 2014, 200, 101-109.	4.4	18
88	A Vanadium(V) Oxide Nanorod Promoted Platinum/Reduced Graphene Oxide Electrocatalyst for Alcohol Oxidation under Acidic Conditions. ChemPhysChem, 2016, 17, 3524-3534.	2.1	18
89	A comparative infrared study of H ₂ O reactivity on Si(100)-(2 \times 1), (2 \times 1)-H, (1 \times 1)-H and (3 \times 1)-H surfaces. Surface Science, 2004, 570, 178-188.	1.9	17
90	Synthesis of 3,4-dihydropyrimidin-2(1H)-ones/thiones using ZrOCl ₂ /mont K10 under microwave assisted solvent-free conditions. Journal of Porous Materials, 2012, 19, 491-497.	2.6	17

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91	Functionalization of carbons for Pt electrocatalyst in PEMFC. International Journal of Hydrogen Energy, 2021, 46, 17871-17885.	7.1	17
92	Rational design of plasmonic Ag@CoFe ₂ O ₄ /g-C ₃ N ₄ p-n heterojunction photocatalysts for efficient overall water splitting. International Journal of Hydrogen Energy, 2022, 47, 18708-18724.	7.1	17
93	Elusive superconductivity in polycrystalline samples of layered lanthanum nickelates. Solid State Communications, 1989, 72, 195-197.	1.9	16
94	Mixed Al/Ce oxide pillaring of montmorillonite: XRD and UV-VIS diffuse reflectance study. Reaction Kinetics and Catalysis Letters, 2002, 75, 251-258.	0.6	16
95	Cerium Containing Al- and Zr-Pillared Clays: Promoting Effect of Cerium (III) Ions on Structural and Catalytic Properties. Journal of Porous Materials, 2005, 12, 171-181.	2.6	16
96	Probing the electric double-layer capacitance in a Keggin-type polyoxometalate ionic liquid gated graphene transistor. Physical Chemistry Chemical Physics, 2018, 20, 18474-18483.	2.8	16
97	PWA/montmorillonite K10 catalyst for synthesis of coumarins under solvent-free conditions. Journal of Porous Materials, 2012, 19, 233-242.	2.6	15
98	Analysis of Charge Storage Behavior in Redox Electrolyte Based Battery-like Systems: A Case Study on Zr-doped Ceria. ChemistrySelect, 2020, 5, 1628-1639.	1.5	15
99	Thermochemical hydrogen production using Rh/CeO ₂ /Al ₂ O ₃ catalyst by steam reforming of ethanol and water splitting in a packed bed reactor. International Journal of Hydrogen Energy, 2021, 46, 19254-19269.	7.1	15
100	A study of strong metal-support interaction based on an electron spectroscopic investigation of nitrogen adsorption on simulated nickel/titania, nickel/alumina and related catalyst surfaces. The Journal of Physical Chemistry, 1990, 94, 7986-7991.	2.9	14
101	Textural and morphological studies of transition metal doped SBA-15 by co-condensation method. Journal of Chemical Sciences, 2015, 127, 909-919.	1.5	14
102	A combined XPS-UPS-EELS study of nitrogen adsorbed on clean and barium-promoted iron surfaces: The nature of the precursor to dissociation. Chemical Physics Letters, 1987, 134, 47-50.	2.6	13
103	Hydrophobic supramolecular assemblies of Keggin anions with lactam-lactim cationic tautomers. Polyhedron, 2017, 137, 43-51.	2.2	13
104	Zr substitution aided enhancement of pseudocapacitive behavior of ceria. Materials Letters, 2020, 266, 127500.	2.6	13
105	Battery-like supercapacitive behavior of urchin-shaped NiCo ₂ O ₄ and comparison with NiCo ₂ X ₄ (X = S, Se, Te). Journal of the Electrochemical Society, 2022, 169, 020515.	2.9	13
106	Investigation of chromium oxide clusters grafted on SBA-15 using Cr-polycation sol. Journal of Porous Materials, 2013, 20, 81-94.	2.6	12
107	Electrochemical behaviour of Cu(II)/Cu(I) redox couple in 1-hexyl-3-methylimidazolium chloride ionic liquid. Journal of Chemical Sciences, 2015, 127, 133-140.	1.5	12
108	Thermoreversible, Hydrophobic Ionic Liquids of Keggin-type Polyanions and Their Application for the Removal of Metal Ions from Water. ACS Applied Nano Materials, 2018, 1, 4642-4651.	5.0	12

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109	Polyoxometalate entrapped caprolactam gels and their cytotoxicity study. Journal of Chemical Sciences, 2018, 130, 1.	1.5	11
110	MoO ₃ thin layers on NiCo ₂ S ₄ substrate for efficient electrochemical charge storage. Nanotechnology, 2020, 31, 414003.	2.6	11
111	Chemisorption of CO on Sm overlayers and SmRu alloy films on Ru(001). Surface Science, 1995, 336, 287-294.	1.9	10
112	Hydrogen transfer reaction of cyclohexanone with 2-propanol catalysed by CeO ₂ -ZnO materials: Promoting effect of ceria. Journal of Chemical Sciences, 2003, 115, 561-571.	1.5	10
113	Nitrogen adsorbed on clean and promoted Ni surfaces. Surface Science, 1986, 176, L835-L840.	1.9	9
114	Adsorption of nitrogen on clean and modified single-crystal Ni surfaces. Applied Surface Science, 1990, 45, 65-69.	6.1	9
115	Infrared reflection absorption study of water interaction with H-terminated Si(100) surfaces. Bulletin of Materials Science, 2004, 27, 497-500.	1.7	9
116	Three-pairs of doublet bands assigned to SiH ₂ scissoring modes observed in H ₂ O-induced oxidation of Si(100) surfaces. Physical Review B, 2004, 69, .	3.2	9
117	Ceria for supercapacitors: Dopant prediction, and validation in a device. Applied Materials Today, 2020, 21, 100872.	4.3	9
118	Waste-to-wealth approach in water economy: The case of beneficiation of mercury-contaminated water in hydrogen production. International Journal of Hydrogen Energy, 2021, 46, 26677-26692.	7.1	9
119	Review "Strategic Design of Layered Double Hydroxides and Graphitic Carbon Nitride Heterostructures for Photoelectrocatalytic Water Splitting Applications. Journal of the Electrochemical Society, 2022, 169, 046515.	2.9	9
120	Preparation of Sm-Ru bimetallic alloy films on Ru(0001) surface by vapour-deposition and annealing. Bulletin of Materials Science, 2001, 24, 583-586.	1.7	8
121	Enhanced Methanol Electrooxidation Activity of Pt/rGO Electrocatalyst Promoted by NbC/Mo ₂ C Phases. ChemistrySelect, 2020, 5, 3805-3814.	1.5	8
122	Vapor phase reduction of cyclohexanone to cyclohexanol on CexZr1-xO ₂ solid solutions. Reaction Kinetics and Catalysis Letters, 2003, 78, 151-159.	0.6	7
123	Activated ZrC Promotes the Methanol Electrooxidation Activity and Enhances Poison Tolerance of Pt Nanoparticles in Acidic Medium. ChemistrySelect, 2020, 5, 7205-7216.	1.5	7
124	Chromium Oxynitride (CrON) Nanoparticles: an Unexplored Electrocatalyst for Oxygen Evolution Reaction. Electrocatalysis, 2022, 13, 62-71.	3.0	7
125	Adsorption of CO and N ₂ on modified transition-metal surfaces. Chemical Physics Letters, 1988, 146, 557-560.	2.6	6
126	Novel nanostructured CeO ₂ as efficient catalyst for energy and environmental applications. Journal of Chemical Sciences, 2014, 126, 361-372.	1.5	6

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127	Synthesis and Photocatalytic Study of Ferrocenium Ion Incorporated Lacunary Keggin Hybrid Material. <i>ChemistrySelect</i> , 2019, 4, 10884-10894.	1.5	6
128	Design of ZIF-67 nanoflake derived NiCo-LDH/rGO hybrid nanostructures for aqueous symmetric supercapattery application under alkaline condition. <i>Nanotechnology</i> , 2022, 33, 415402.	2.6	6
129	Cationic dye adsorption by phosphomolybdate nanoclusters immobilised on polyelectrolyte matrix. <i>Journal of Chemical Sciences</i> , 2020, 132, 1.	1.5	5
130	Promising oxygen storage capacity of equimolar high entropy transition metal oxide (MgCoNiCuZn)O. <i>Materials Letters</i> , 2021, 304, 130635.	2.6	5
131	Aging Effects on the Rheological Properties of Novel Magnesium Bromide Hexahydrate-Based Completion Fluids for Oil and Gas Reservoirs. <i>Arabian Journal for Science and Engineering</i> , 2022, 47, 11929-11939.	3.0	5
132	A comparative study of CO and N ₂ adsorbed on clean and promoted transition metal surfaces by a combined use of EELS, XPES and UVPEs. <i>Spectrochimica Acta Part A: Molecular Spectroscopy</i> , 1987, 43, 1479-1486.	0.1	4
133	Investigations of oxide superconductors by x-ray absorption, photoemission and cognate spectroscopies. <i>Phase Transitions</i> , 1989, 19, 69-85.	1.3	4
134	SYSTEMATICS IN THE O 1s CORE-LEVEL SPECTRA IN TRANSITION METAL OXIDES, LaMO ₃ (M = V, Cr, Mn, Fe, Co) <i>Tj ETQq 0 0 0 rgBT /Over</i>	1.9	3
135	Polyaniline/clay Nanocomposites: Preparation, Characterization and Electrochemical Properties. <i>IOP Conference Series: Materials Science and Engineering</i> , 2015, 73, 012112.	0.6	3
136	Construction of surfactant/polymer/copolymer-templated mesoporous reduced graphene oxide nanoparticles for adsorption applications. <i>Graphene Technology</i> , 2019, 4, 53-59.	1.9	3
137	Experimental and Theoretical Study on SO ₂ Tolerance of Pt Electrocatalysts: Role of Carbon Support. <i>Electroanalysis</i> , 2020, 32, 2555-2563.	2.9	3
138	Hydrothermal Synthesis and Symmetrical Supercapacitor Study of 1D Ln ^{III} -PDA (Ln=La and) <i>Tj ETQq 0 0 0 rgBT /Overlock</i>	1.5	3
139	PHOTOEMISSION STUDY OF THE REACTION OF CO WITH Sm FILMS ON THE Ru(001) SURFACE. <i>Surface Review and Letters</i> , 2003, 10, 917-923.	1.1	2
140	Promoting Effect of Gd ₂ O ₃ in Pt-Gd ₂ O ₃ /C Electrocatalyst for Methanol Oxidation Reaction. <i>Journal of the Electrochemical Society</i> , 2022, 169, 034511.	2.9	2
141	Synthesis and Catalytic Application of 12-Phosphotungstic Acid Encapsulated in SBA-15 by Impregnation and One-Pot Methods. <i>Advanced Porous Materials</i> , 2015, 2, 192-203.	0.3	1
142	A single step solid NH ₄ F-assisted method for the removal of hard silica template to obtain microporous carbon for electrochemical applications. <i>Materials Letters</i> , 2022, 309, 131373.	2.6	1
143	Chimie douce derived Nickel Cobalt oxynitride as electrode material for high energy density supercapacitors. <i>Electrochimica Acta</i> , 2022, 418, 140341.	5.2	1
144	Growth of surface alloy films and chemisorption behavior of CO on Sm/Ru(001): XPS and TPD studies. <i>Studies in Surface Science and Catalysis</i> , 1998, , 341-347.	1.5	0

#	ARTICLE	IF	CITATIONS
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