

# Ranga Rao Gangavarapu

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3798823/publications.pdf>

Version: 2024-02-01

146  
papers

8,735  
citations

57681

46  
h-index

51423

90  
g-index

147  
all docs

147  
docs citations

147  
times ranked

10635  
citing authors

#	ARTICLE	IF	CITATIONS
1	Chromium Oxynitride (CrON) Nanoparticles: an Unexplored Electrocatalyst for Oxygen Evolution Reaction. <i>Electrocatalysis</i> , 2022, 13, 62-71.	1.5	7
2	A single step solid NH <sub>4</sub> F-assisted method for the removal of hard silica template to obtain microporous carbon for electrochemical applications. <i>Materials Letters</i> , 2022, 309, 131373.	1.3	1
3	Battery-like supercapacitive behavior of urchin-shaped NiCo <sub>2</sub> O <sub>4</sub> and comparison with NiCo <sub>2</sub> X <sub>4</sub> (X = S, Se, Te). <i>Journal of the Electrochemical Society</i> , 2022, 169, 020515.	1.3	13
4	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.	3.9	29
5	Methanol Electrooxidation Activity of Pt/C Catalyst Promoted by Ce-Gd-Zr-O Solid Solution. <i>Springer Proceedings in Materials</i> , 2022, , 113-125.	0.1	0
6	Promoting Effect of Gd <sub>2</sub> O <sub>3</sub> in Pt-Gd <sub>2</sub> O <sub>3</sub> /C Electrocatalyst for Methanol Oxidation Reaction. <i>Journal of the Electrochemical Society</i> , 2022, 169, 034511.	1.3	2
7	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.	1.7	5
8	Reviewâ€”Strategic Design of Layered Double Hydroxides and Graphitic Carbon Nitride Heterostructures for Photoelectrocatalytic Water Splitting Applications. <i>Journal of the Electrochemical Society</i> , 2022, 169, 046515.	1.3	9
9	Chimie douce derived Nickel Cobalt oxynitride as electrode material for high energy density supercapacitors. <i>Electrochimica Acta</i> , 2022, 418, 140341.	2.6	1
10	Rational design of plasmonic Ag@CoFe <sub>2</sub> O <sub>4</sub> /g-C <sub>3</sub> N <sub>4</sub> p-n heterojunction photocatalysts for efficient overall water splitting. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 18708-18724.	3.8	17
11	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.	1.3	6
12	Hydrothermal Synthesis and Symmetrical Supercapacitor Study of 1D Ln <sub>2</sub> PDA (Ln=La and Tj ETQg0.0 0 rgBJ /Overlock	0.7	3
13	Synthesis of CuTi-LDH supported on g-C <sub>3</sub> N <sub>4</sub> for electrochemical and photoelectrochemical oxygen evolution reactions. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 16414-16430.	3.8	32
14	A high energy flexible symmetric supercapacitor fabricated using N-doped activated carbon derived from palm flowers. <i>Nanoscale Advances</i> , 2021, 3, 5417-5429.	2.2	30
15	Bismuth oxycarbonate grafted NiFe-LDH supported on g-C <sub>3</sub> N <sub>4</sub> as bifunctional catalyst for photoelectrochemical water splitting. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 12145-12157.	3.8	22
16	Thermochemical hydrogen production using Rh/CeO <sub>2</sub> /Î³-Al <sub>2</sub> O <sub>3</sub> catalyst by steam reforming of ethanol and water splitting in a packed bed reactor. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 19254-19269.	3.8	15
17	Functionalization of carbons for Pt electrocatalyst in PEMFC. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 17871-17885.	3.8	17
18	Waste-to-wealth approach in water economy: The case of beneficiation of mercury-contaminated water in hydrogen production. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 26677-26692.	3.8	9

#	ARTICLE	IF	CITATIONS
19	Machine learning-based prediction of supercapacitor performance for a novel electrode material: Cerium oxynitride. <i>Energy Storage Materials</i> , 2021, 40, 426-438.	9.5	35
20	Promising oxygen storage capacity of equimolar high entropy transition metal oxide (MgCoNiCuZn)O. <i>Materials Letters</i> , 2021, 304, 130635.	1.3	5
21	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.	1.3	26
22	Hierarchically Organized NiCo <sub>2</sub> O <sub>4</sub> Microflowers Anchored on Multiwalled Carbon Nanotubes: Efficient Bifunctional Electrocatalysts for Oxygen and Hydrogen Evolution Reactions. <i>ChemPlusChem</i> , 2020, 85, 183-194.	1.3	33
23	Energy storage study of trimetallic Cu <sub>2</sub> MSnS <sub>4</sub> (M: Fe, Co, Ni) nanomaterials prepared by sequential crystallization method. <i>Journal of Solid State Chemistry</i> , 2020, 282, 121049.	1.4	27
24	Experimental and Theoretical Study on SO <sub>2</sub> Tolerance of Pt Electrocatalysts: Role of Carbon Support. <i>Electroanalysis</i> , 2020, 32, 2555-2563.	1.5	3
25	Cationic dye adsorption by phosphomolybdate nanoclusters immobilised on polyelectrolyte matrix. <i>Journal of Chemical Sciences</i> , 2020, 132, 1.	0.7	5
26	Ceria for supercapacitors: Dopant prediction, and validation in a device. <i>Applied Materials Today</i> , 2020, 21, 100872.	2.3	9
27	MoO <sub>3</sub> thin layers on NiCo <sub>2</sub> S <sub>4</sub> substrate for efficient electrochemical charge storage. <i>Nanotechnology</i> , 2020, 31, 414003.	1.3	11
28	Activated ZrC Promotes the Methanol Electrooxidation Activity and Enhances Poison Tolerance of Pt Nanoparticles in Acidic Medium. <i>ChemistrySelect</i> , 2020, 5, 7205-7216.	0.7	7
29	Zr substitution aided enhancement of pseudocapacitive behavior of ceria. <i>Materials Letters</i> , 2020, 266, 127500.	1.3	13
30	Analysis of Charge Storage Behavior in Redox Electrolyte Based Battery-like Systems: A Case Study on Zr-doped Ceria. <i>ChemistrySelect</i> , 2020, 5, 1628-1639.	0.7	15
31	Enhanced Methanol Electrooxidation Activity of Pt/rGO Electrocatalyst Promoted by NbC/Mo <sub>2</sub> C Phases. <i>ChemistrySelect</i> , 2020, 5, 3805-3814.	0.7	8
32	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
33	Nanocomposites of digestively ripened copper oxide quantum dots and graphene oxide as a binder free battery-like supercapacitor electrode material. <i>Electrochimica Acta</i> , 2019, 321, 134709.	2.6	23
34	Synthesis and Photocatalytic Study of Ferrocenium Ion Incorporated Lacunary Keggin Hybrid Material. <i>ChemistrySelect</i> , 2019, 4, 10884-10894.	0.7	6
35	Extending the $\pi$ -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.	5.2	128
36	Multifunctional hierarchical ZnIn <sub>2</sub> S <sub>4</sub> microflowers with photocatalytic and pseudocapacitive behavior. <i>Solar Energy</i> , 2019, 193, 806-813.	2.9	19

#	ARTICLE	IF	CITATIONS
37	Highly active and stable multi-walled carbon nanotubes-graphene-TiO <sub>2</sub> nanohybrid: An efficient non-noble metal photocatalyst for water splitting. <i>Catalysis Today</i> , 2019, 321-322, 120-127.	2.2	75
38	Nanojunction-mediated visible light photocatalytic enhancement in heterostructured ternary BiOCl/CdS/g-C <sub>3</sub> N <sub>4</sub> nanocomposites. <i>Catalysis Today</i> , 2019, 321-322, 18-25.	2.2	72
39	Fabrication of NiCo <sub>2</sub> S <sub>4</sub> nanoball embedded nitrogen doped mesoporous carbon on nickel foam as an advanced charge storage material. <i>Electrochimica Acta</i> , 2018, 268, 139-149.	2.6	58
40	High energy density symmetric capacitor using zinc cobaltate flowers grown in situ on Ni foam. <i>Electrochimica Acta</i> , 2018, 261, 265-274.	2.6	33
41	Nitrogen doped mesoporous carbon supported Pt electrocatalyst for oxygen reduction reaction in proton exchange membrane fuel cells. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 4716-4725.	3.8	55
42	Oxidation of Aniline to Nitrobenzene Catalysed by 1-Butyl-3-methyl imidazolium phosphotungstate Hybrid Material Using m-chloroperbenzoic Acid as an Oxidant. <i>Catalysis Letters</i> , 2018, 148, 246-257.	1.4	23
43	Micro and nano-architectures of Co <sub>3</sub> O <sub>4</sub> on Ni foam for electro-oxidation of methanol. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 4706-4715.	3.8	57
44	Thermoreversible, Hydrophobic Ionic Liquids of Keggin-type Polyanions and Their Application for the Removal of Metal Ions from Water. <i>ACS Applied Nano Materials</i> , 2018, 1, 4642-4651.	2.4	12
45	Polyoxometalate entrapped caprolactam gels and their cytotoxicity study. <i>Journal of Chemical Sciences</i> , 2018, 130, 1.	0.7	11
46	Electrocatalytic Activity of Pd <sub>20</sub> Ag Nanoparticles Embedded in Carbon Nanotubes for Methanol Oxidation in Alkaline Media. <i>ACS Applied Energy Materials</i> , 2018, 1, 3763-3770.	2.5	39
47	Visible light induced efficient hydrogen production through semiconductor-conductor-semiconductor (S <sup>c</sup> -C <sup>c</sup> -S) interfaces formed between g-C <sub>3</sub> N <sub>4</sub> and rGO/Fe <sub>2</sub> O <sub>3</sub> core-shell composites. <i>Catalysis Science and Technology</i> , 2018, 8, 5081-5090.	2.1	39
48	Probing the electric double-layer capacitance in a Keggin-type polyoxometalate ionic liquid gated graphene transistor. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 18474-18483.	1.3	16
49	Tuning the Surface Morphology and Pseudocapacitance of MnO <sub>2</sub> by a Facile Green Method Employing Organic Reducing Sugars. <i>ACS Applied Energy Materials</i> , 2018, 1, 3654-3664.	2.5	21
50	Construction of ternary hybrid layered reduced graphene oxide supported g-C <sub>3</sub> N <sub>4</sub> -TiO <sub>2</sub> nanocomposite and its photocatalytic hydrogen production activity. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 3892-3904.	3.8	137
51	Sol-gel-cum-hydrothermal synthesis of mesoporous Co-Fe@Al <sub>2</sub> O <sub>3</sub> MCM-41 for methylene blue remediation. <i>Journal of Chemical Sciences</i> , 2017, 129, 381-395.	0.7	57
52	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.	5.0	37
53	Spinel ZnCo <sub>2</sub> O <sub>4</sub> nanosheets as carbon and binder free electrode material for energy storage and electroreduction of H <sub>2</sub> O <sub>2</sub> . <i>Journal of Alloys and Compounds</i> , 2017, 696, 947-955.	2.8	32
54	In situ grown nano-architectures of Co <sub>3</sub> O <sub>4</sub> on Ni-foam for charge storage application. <i>Journal of Chemical Sciences</i> , 2017, 129, 157-166.	0.7	26

#	ARTICLE	IF	CITATIONS
55	Hydrophobic supramolecular assemblies of Keggin anions with lactam-lactim cationic tautomers. <i>Polyhedron</i> , 2017, 137, 43-51.	1.0	13
56	Charge storage, electrocatalytic and sensing activities of nest-like nanostructured Co <sub>3</sub> O <sub>4</sub> . <i>Journal of Colloid and Interface Science</i> , 2017, 487, 20-30.	5.0	38
57	Significance of optimal N-doping in mesoporous carbon framework to achieve high specific capacitance. <i>Applied Surface Science</i> , 2017, 418, 40-48.	3.1	41
58	NiCo <sub>2</sub> O <sub>4</sub> 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.	2.6	131
59	A Vanadium(V) Oxide Nanorod Promoted Platinum/Reduced Graphene Oxide Electrocatalyst for Alcohol Oxidation under Acidic Conditions. <i>ChemPhysChem</i> , 2016, 17, 3524-3534.	1.0	18
60	Enhanced photodegradation of dyes and mixed dyes by heterogeneous mesoporous Co <sub>2</sub> Fe/Al <sub>2</sub> O <sub>3</sub> @MCM-41 nanocomposites: nanoparticles formation, semiconductor behavior and mesoporosity. <i>RSC Advances</i> , 2016, 6, 94263-94277.	1.7	28
61	NiCo <sub>2</sub> O <sub>4</sub> /rGO hybrid nanostructures for efficient electrocatalytic oxygen evolution. <i>Journal of Solid State Electrochemistry</i> , 2016, 20, 2725-2736.	1.2	60
62	Vanadium pentoxide nanochains for high-performance electrochemical supercapacitors. <i>Journal of Colloid and Interface Science</i> , 2016, 472, 210-219.	5.0	64
63	Effect of solvents on the morphology of NiCo <sub>2</sub> O <sub>4</sub> /graphene nanostructures for electrochemical pseudocapacitor application. <i>Journal of Solid State Electrochemistry</i> , 2016, 20, 1837-1844.	1.2	43
64	Polyaniline/clay Nanocomposites: Preparation, Characterization and Electrochemical Properties. <i>IOP Conference Series: Materials Science and Engineering</i> , 2015, 73, 012112.	0.3	3
65	Electrochemical behaviour of Cu(II)/Cu(I) redox couple in 1-hexyl-3-methylimidazolium chloride ionic liquid. <i>Journal of Chemical Sciences</i> , 2015, 127, 133-140.	0.7	12
66	Textural and morphological studies of transition metal doped SBA-15 by co-condensation method. <i>Journal of Chemical Sciences</i> , 2015, 127, 909-919.	0.7	14
67	Synthesis of mesoporous NiCo <sub>2</sub> O <sub>4</sub> @rGO by a solvothermal method for charge storage applications. <i>RSC Advances</i> , 2015, 5, 66657-66666.	1.7	115
68	In situ fabrication of porous festuca scoparia-like Ni <sub>0.3</sub> Co <sub>2.7</sub> O <sub>4</sub> nanostructures on Ni-foam: An efficient electrode material for supercapacitor applications. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 12303-12314.	3.8	47
69	Fabrication of the Mesoporous Fe@MnO <sub>2</sub> NPs@MCM-41 Nanocomposite: An Efficient Photocatalyst for Rapid Degradation of Phenolic Compounds. <i>Journal of Physical Chemistry C</i> , 2015, 119, 14145-14159.	1.5	23
70	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. <i>RSC Advances</i> , 2015, 5, 38407-38416.	1.7	55
71	Magnetic, optical and electrocatalytic properties of urchin and sheaf-like NiCo <sub>2</sub> O <sub>4</sub> nanostructures. <i>Materials Chemistry and Physics</i> , 2015, 165, 235-244.	2.0	103
72	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

#	ARTICLE	IF	CITATIONS
73	Activated zirconium carbide promoted Pt/C electrocatalyst for oxygen reduction. <i>Applied Catalysis B: Environmental</i> , 2014, 144, 767-774.	10.8	24
74	Urchin and sheaf-like NiCo <sub>2</sub> O <sub>4</sub> nanostructures: Synthesis and electrochemical energy storage application. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 15627-15638.	3.8	153
75	Novel nanostructured CeO <sub>2</sub> as efficient catalyst for energy and environmental applications. <i>Journal of Chemical Sciences</i> , 2014, 126, 361-372.	0.7	6
76	Synthesis of CuNi and CuNi/SBA-15 by aqueous method at room temperature and their catalytic activity. <i>Microporous and Mesoporous Materials</i> , 2014, 200, 101-109.	2.2	18
77	Alcohol induced ultra-fine dispersion of Pt on tuned morphologies of CeO <sub>2</sub> for CO oxidation. <i>Applied Catalysis B: Environmental</i> , 2013, 130-131, 121-131.	10.8	49
78	Archetypal sandwich-structured CuO for high performance non-enzymatic sensing of glucose. <i>Nanoscale</i> , 2013, 5, 2089.	2.8	167
79	Investigation of chromium oxide clusters grafted on SBA-15 using Cr-polycation sol. <i>Journal of Porous Materials</i> , 2013, 20, 81-94.	1.3	12
80	Morphology-Controlled Promoting Activity of Nanostructured MnO <sub>2</sub> for Methanol and Ethanol Electrooxidation on Pt/C. <i>Journal of Physical Chemistry C</i> , 2013, 117, 4888-4900.	1.5	94
81	Nature and catalytic activity of bimetallic CuNi particles on CeO <sub>2</sub> support. <i>Catalysis Today</i> , 2012, 198, 140-147.	2.2	42
82	Polymer-Assisted Hydrothermal Synthesis of Highly Reducible Shuttle-Shaped CeO <sub>2</sub> : Microstructural Effect on Promoting Pt/C for Methanol Electrooxidation. <i>ACS Catalysis</i> , 2012, 2, 2795-2809.	5.5	141
83	Enhanced activity of microwave synthesized hierarchical MnO <sub>2</sub> for high performance supercapacitor applications. <i>Journal of Power Sources</i> , 2012, 215, 317-328.	4.0	147
84	Synthesis of 3,4-dihydropyrimidin-2(1H)-ones/thiones using ZrOCl <sub>2</sub> /mont K10 under microwave assisted solvent-free conditions. <i>Journal of Porous Materials</i> , 2012, 19, 491-497.	1.3	17
85	PWA/montmorillonite K10 catalyst for synthesis of coumarins under solvent-free conditions. <i>Journal of Porous Materials</i> , 2012, 19, 233-242.	1.3	15
86	Nanoscale morphology dependent pseudocapacitance of NiO: Influence of intercalating anions during synthesis. <i>Nanoscale</i> , 2011, 3, 683-692.	2.8	280
87	Effect of Microwave on the Nanowire Morphology, Optical, Magnetic, and Pseudocapacitance Behavior of Co <sub>3</sub> O <sub>4</sub> . <i>Journal of Physical Chemistry C</i> , 2011, 115, 25543-25556.	1.5	240
88	Microwave-Mediated Synthesis for Improved Morphology and Pseudocapacitance Performance of Nickel Oxide. <i>ACS Applied Materials &amp; Interfaces</i> , 2011, 3, 2063-2073.	4.0	416
89	Ultralayered Co <sub>3</sub> O <sub>4</sub> for High-Performance Supercapacitor Applications. <i>Journal of Physical Chemistry C</i> , 2011, 115, 15646-15654.	1.5	902
90	Metal Oxide Promoted Electrocatalysts for Methanol Oxidation. <i>Catalysis Surveys From Asia</i> , 2011, 15, 221-229.	1.0	22

#	ARTICLE	IF	CITATIONS
91	Methanol oxidation on MoO <sub>3</sub> promoted Pt/C electrocatalyst. International Journal of Hydrogen Energy, 2011, 36, 5875-5884.	3.8	111
92	CoS spheres for high-rate electrochemical capacitive energy storage application. International Journal of Hydrogen Energy, 2010, 35, 9709-9715.	3.8	139
93	Pine-cone morphology and pseudocapacitive behavior of nanoporous nickel oxide. Electrochimica Acta, 2010, 55, 8388-8396.	2.6	186
94	High performance Pt@Nb <sub>2</sub> O <sub>5</sub> /C electrocatalysts for methanol electrooxidation in acidic media. Applied Catalysis B: Environmental, 2010, 100, 510-515.	10.8	82
95	Tuning of Capacitance Behavior of NiO Using Anionic, Cationic, and Nonionic Surfactants by Hydrothermal Synthesis. Journal of Physical Chemistry C, 2010, 114, 5203-5210.	1.5	276
96	Synthesis and characterization of 1-butyl 3-methyl imidazolium phosphomolybdate molecular salt. Solid State Sciences, 2009, 11, 36-42.	1.5	78
97	Enhanced activity of methanol electro-oxidation on Pt@V <sub>2</sub> O <sub>5</sub> /C catalysts. Catalysis Today, 2009, 141, 138-143.	2.2	87
98	Investigation of 12-Tungstophosphoric Acid Supported on Ce <sub>0.5</sub> Zr <sub>0.5</sub> O <sub>2</sub> Solid Solution. Catalysis Letters, 2008, 120, 261-273.	1.4	38
99	Investigation of hybrid molecular material prepared by ionic liquid and polyoxometalate anion. Journal of Chemical Sciences, 2008, 120, 587-594.	0.7	78
100	Porous hydrous zirconia supported 12-tungstophosphoric acid catalysts for liquid-phase esterification of 2-ethyl-1-hexanol. Journal of Molecular Catalysis A, 2008, 295, 1-9.	4.8	30
101	Interaction of Keggin anions of 12-tungstophosphoric acid with solid solutions. Journal of Colloid and Interface Science, 2008, 324, 134-141.	5.0	59
102	Synthesis and characterization of hybrid molecular material prepared by ionic liquid and silicotungstic acid. Materials Chemistry and Physics, 2008, 112, 853-857.	2.0	131
103	Characterization of hybrid molecular material prepared by 1-butyl 3-methyl imidazolium bromide and phosphotungstic acid. Materials Letters, 2008, 62, 4134-4136.	1.3	65
104	Al-pillared clay supported CuPd catalysts for nitrate reduction. Journal of Porous Materials, 2007, 14, 205-212.	1.3	22
105	Promoting effect of ceria on the physicochemical and catalytic properties of CeO <sub>2</sub> @ZnO composite oxide catalysts. Journal of Molecular Catalysis A, 2006, 243, 204-213.	4.8	126
106	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.	2.0	50
107	Assignment of surface IR absorption spectra observed in the oxidation reactions: 2H <sub>2</sub> +H <sub>2</sub> O/Si(100) and H <sub>2</sub> O+H <sub>2</sub> /Si(100). Surface Science, 2005, 575, 330-342.	0.8	24
108	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.	1.3	16

#	ARTICLE	IF	CITATIONS
109	Infrared reflection absorption study of water interaction with H-terminated Si(100) surfaces. Bulletin of Materials Science, 2004, 27, 497-500.	0.8	9
110	Physicochemical and catalytic properties of Zr-pillared montmorillonite with varying pillar density. Microporous and Mesoporous Materials, 2004, 70, 43-50.	2.2	59
111	Three-pairs of doublet bands assigned to SiH <sub>2</sub> scissoring modes observed in H <sub>2</sub> O-induced oxidation of Si(100) surfaces. Physical Review B, 2004, 69, .	1.1	9
112	Synthesis of CuO, Cu and CuNi alloy particles by solution combustion using carbohydrazide and N-tertiarybutoxy-carbonylpiperazine fuels. Materials Letters, 2004, 58, 3523-3527.	1.3	47
113	A comparative infrared study of H <sub>2</sub> 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.	0.8	17
114	Influence of Synthesis Conditions and Cerium Incorporation on the Properties of Zr-Pillared Clays. Journal of Porous Materials, 2003, 10, 93-103.	1.3	22
115	Vapor phase reduction of cyclohexanone to cyclohexanol on CexZr1-xO2 solid solutions. Reaction Kinetics and Catalysis Letters, 2003, 78, 151-159.	0.6	7
116	Hydrogen transfer reaction of cyclohexanone with 2-propanol catalysed by CeO <sub>2</sub> -ZnO materials: Promoting effect of ceria. Journal of Chemical Sciences, 2003, 115, 561-571.	0.7	10
117	Surface and catalytic properties of Cu <sup>2+</sup> /Ce <sup>4+</sup> /O composite oxides prepared by combustion method. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2003, 220, 261-269.	2.3	101
118	PHOTOEMISSION STUDY OF THE REACTION OF CO WITH Sm FILMS ON THE Ru(001) SURFACE. Surface Review and Letters, 2003, 10, 917-923.	0.5	2
119	Promoting effect of CeO <sub>2</sub> on cyclohexanol conversion over CeO <sub>2</sub> -ZnO mixed oxide materials prepared by amorphous citrate process. Bulletin of Materials Science, 2002, 25, 155-162.	0.8	26
120	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
121	Preparation of Sm-Ru bimetallic alloy films on Ru(0001) surface by vapour-deposition and annealing. Bulletin of Materials Science, 2001, 24, 583-586.	0.8	8
122	XRD and UV-Vis diffuse reflectance analysis of CeO <sub>2</sub> -ZrO <sub>2</sub> solid solutions synthesized by combustion method. Journal of Chemical Sciences, 2001, 113, 651-658.	0.7	148
123	Characterization of combustion synthesized zirconia powder by UV-vis, IR and other techniques. Bulletin of Materials Science, 2000, 23, 349-354.	0.8	132
124	Influence of metal particles on the reduction properties of ceria-based materials studied by TPR. Bulletin of Materials Science, 1999, 22, 89-94.	0.8	61
125	Growth of surface alloy films and chemisorption behavior of CO on Sm/Ru(001): XPS and TPD studies. Studies in Surface Science and Catalysis, 1998, , 341-347.	1.5	0
126	Reduction of NO over Partially Reduced Metal-Loaded CeO <sub>2</sub> /ZrO <sub>2</sub> Solid Solutions. Journal of Catalysis, 1996, 162, 1-9.	3.1	202



#	ARTICLE	IF	CITATIONS
127	Rh-Loaded CeO <sub>2</sub> -ZrO <sub>2</sub> 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.	3.1	830
128	Surface alloy formation at the Sm/Ru(001) interface: evidence from Ru 3d core-level emission. Surface Science, 1995, 327, 293-300.	0.8	21
129	Chemisorption of CO on Sm overlayers and SmRu alloy films on Ru(001). Surface Science, 1995, 336, 287-294.	0.8	10
130	A Study of Strong Metal-Support Interaction Based on an Electron Spectroscopic Investigation of Nitrogen Adsorption on Simulated Ni/TiO <sub>2</sub> , Ni/Ai <sub>2</sub> O <sub>3</sub> , and Related Catalyst Surfaces. World Scientific Series in 20th Century Chemistry, 1995, , 644-649.	0.0	0
131	NO decomposition over partially reduced metallized CeO <sub>2</sub> -ZrO <sub>2</sub> solid solutions. Catalysis Letters, 1994, 24, 107-112.	1.4	139
132	Nature of nitrogen adsorbed on transition metal surfaces as revealed by electron spectroscopy and cognate techniques. Surface Science Reports, 1991, 13, 223-263.	3.8	105
133	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
134	Adsorption of nitrogen on clean and modified single-crystal Ni surfaces. Applied Surface Science, 1990, 45, 65-69.	3.1	9
135	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.	1.1	23
136	State of bismuth in BaBiO <sub>3</sub> and BaBi <sub>1-x</sub> Pb <sub>x</sub> O <sub>3</sub> : Bi 4f photoemission and Bi L <sub>3</sub> absorption spectroscopic studies. Applied Physics Letters, 1990, 57, 1823-1824.	1.5	29
137	SYSTEMATICS IN THE O 1s CORE-LEVEL SPECTRA IN TRANSITION METAL OXIDES, LaMO <sub>3</sub> (M = V, Cr, Mn, Fe, Co) Tj	1.0	10
138	Nature of copper in the new cuprate superconductors Pb <sub>2</sub> Sr <sub>2</sub> Ca <sub>1-x</sub> LxCu <sub>3</sub> O <sub>8+δ</sub> . Physical Review B, 1989, 39, 9621-9623.	1.1	19
139	Investigations of oxide superconductors by x-ray absorption, photoemission and cognate spectroscopies. Phase Transitions, 1989, 19, 69-85.	0.6	4
140	Evidence for holes on oxygen in some nickel oxides. Journal of Physics Condensed Matter, 1989, 1, 2147-2150.	0.7	21
141	Elusive superconductivity in polycrystalline samples of layered lanthanum nickelates. Solid State Communications, 1989, 72, 195-197.	0.9	16
142	Adsorption of CO and N <sub>2</sub> on modified transition-metal surfaces. Chemical Physics Letters, 1988, 146, 557-560.	1.2	6
143	Superconductivity in the Bi <sub>2</sub> (Ca, Sr) <sub>n+1</sub> Cu <sub>n</sub> O <sub>2n+4</sub> (n=1, 2, or 3) series: Synthesis, characterization and mechanism. Physica C: Superconductivity and Its Applications, 1988, 156, 827-833.	0.6	38
144	A comparative study of CO and N <sub>2</sub> adsorbed on clean and promoted transition metal surfaces by a combined use of EELS, XPES and LVPES. Spectrochimica Acta Part A: Molecular Spectroscopy, 1987, 43, 1479-1486.	0.1	4

#	ARTICLE	IF	CITATIONS
145	A combined XPS-UPS-EELS study of nitrogen adsorbed on clean and barium-promoted iron surfaces: The nature of the precursor to dissociation. <i>Chemical Physics Letters</i> , 1987, 134, 47-50.	1.2	13
146	Nitrogen adsorbed on clean and promoted Ni surfaces. <i>Surface Science</i> , 1986, 176, L835-L840.	0.8	9