Ranga Rao Gangavarapu

List of Publications by Year
in descending order

146 papers	8,735 citations	50276 46 h-index	45317 90 g-index
147 all docs	147 docs citations	147 times ranked	9404 citing authors

#	Article	IF	Citations
1	Chromium Oxynitride (CrON) Nanoparticles: an Unexplored Electrocatalyst for Oxygen Evolution Reaction. Electrocatalysis, 2022, 13, 62-71.	3.0	7
2	A single step solid NH4F-assisted method for the removal of hard silica template to obtain microporous carbon for electrochemical applications. Materials Letters, 2022, 309, 131373.	2.6	1
3	Battery-like supercapacitive behavior of urchin-shaped NiCo₂O₄ and comparison with NiCo₂X₄ (X = S, Se, Te). Journal of the Electrochemical Society, 2022, 169, 020515.	2.9	13
4	Momordica Charantia pericarp derived activated carbon with dual redox additive electrolyte for high energy density supercapacitor devices. Journal of Energy Storage, 2022, 48, 104048.	8.1	29
5	Methanol Electrooxidation Activity of Pt/C Catalyst Promoted by Ce-Gd-Zr-O Solid Solution. Springer Proceedings in Materials, 2022, , 113-125.	0.3	0
6	Promoting Effect of Gd₂O₃ in Pt-Gd₂O₃/C Electrocatalyst for Methanol Oxidation Reaction. Journal of the Electrochemical Society, 2022, 169, 034511.	2.9	2
7	Aging Effects on the Rheological Properties of Novel Magnesium Bromide Hexahydrate-Based Completion Fluids for Oil and Gas Reservoirs. Arabian Journal for Science and Engineering, 2022, 47, 11929-11939.	3.0	5
8	Reviewâ€"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
9	Chimie douce derived Nickelt Cobalt oxynitride as electrode material for high energy density supercapacitors. Electrochimica Acta, 2022, 418, 140341.	5.2	1
10	Rational design of plasmonic Ag@CoFe2O4/g-C3N4 p-n heterojunction photocatalysts for efficient overall water splitting. International Journal of Hydrogen Energy, 2022, 47, 18708-18724.	7.1	17
11	Design of ZIF-67 nanoflake derived NiCo-LDH/rGO hybrid nanostructures for aqueous symmetric supercapattery application under alkaline condition. Nanotechnology, 2022, 33, 415402.	2.6	6
12	Hydrothermal Synthesis and Symmetrical Supercapacitor Study of 1D Lnâ€H₂PDA (Ln=La and) Tj ETQq0 0 0 rgBT /Overlock	1.5	3
13	Synthesis of CuTi-LDH supported on g-C3N4 for electrochemical and photoelectrochemical oxygen evolution reactions. International Journal of Hydrogen Energy, 2021, 46, 16414-16430.	7.1	32
14	A high energy flexible symmetric supercapacitor fabricated using N-doped activated carbon derived from palm flowers. Nanoscale Advances, 2021, 3, 5417-5429.	4.6	30
15	Bismuth oxycarbonate grafted NiFe-LDH supported on g-C3N4 as bifunctional catalyst for photoelectrochemical water splitting. International Journal of Hydrogen Energy, 2021, 46, 12145-12157.	7.1	22
16	Thermochemical hydrogen production using Rh/CeO2/Î³-Al2O3 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
17	Functionalization of carbons for Pt electrocatalyst in PEMFC. International Journal of Hydrogen Energy, 2021, 46, 17871-17885.	7.1	17
18	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

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19	Machine learning-based prediction of supercapacitor performance for a novel electrode material: Cerium oxynitride. Energy Storage Materials, 2021, 40, 426-438.	18.0	35
20	Promising oxygen storage capacity of equimolar high entropy transition metal oxide (MgCoNiCuZn)O. Materials Letters, 2021, 304, 130635.	2.6	5
21	The corrosion inhibition of stainless steel by ferroceneâ€"polyoxometalate hybrid molecular materials â€" experimental and first principles studies. Physical Chemistry Chemical Physics, 2020, 22, 3329-3344.	2.8	26
22	Hierarchically Organized NiCo₂O₄ Microflowers Anchored on Multiwalled Carbon Nanotubes: Efficient Bifunctional Electrocatalysts for Oxygen and Hydrogen Evolution Reactions. ChemPlusChem, 2020, 85, 183-194.	2.8	33
23	Energy storage study of trimetallic Cu2MSnS4 (M: Fe, Co, Ni) nanomaterials prepared by sequential crystallization method. Journal of Solid State Chemistry, 2020, 282, 121049.	2.9	27
24	Experimental and Theoretical Study on SO 2 Tolerance of Pt Electrocatalysts: Role of Carbon Support. Electroanalysis, 2020, 32, 2555-2563.	2.9	3
25	Cationic dye adsorption by phosphomolybdate nanoclusters immobilised on polyelectrolyte matrix. Journal of Chemical Sciences, 2020, 132, 1.	1.5	5
26	Ceria for supercapacitors: Dopant prediction, and validation in a device. Applied Materials Today, 2020, 21, 100872.	4.3	9
27	MoO₃ thin layers on NiCo₂S₄ substrate for efficient electrochemical charge storage. Nanotechnology, 2020, 31, 414003.	2.6	11
28	Activated ZrC Promotes the Methanol Electroâ€oxidation Activity and Enhances Poison Tolerance of Pt Nanoparticles in Acidic Medium. ChemistrySelect, 2020, 5, 7205-7216.	1.5	7
29	Zr substitution aided enhancement of pseudocapacitive behavior of ceria. Materials Letters, 2020, 266, 127500.	2.6	13
30	Analysis of Charge Storage Behavior in Redoxâ€electrolyte Based Batteryâ€likeâ€systems: A Case Study on Zrâ€doped Ceria. ChemistrySelect, 2020, 5, 1628-1639.	1.5	15
31	Enhanced Methanol Electroâ€Oxidation Activity of Pt/rGO Electrocatalyst Promoted by NbC/Mo 2 C Phases. ChemistrySelect, 2020, 5, 3805-3814.	1.5	8
32	Construction of surfactant/polymer/copolymer-templated mesoporous reduced graphene oxide nanoparticles for adsorption applications. Graphene Technology, 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. Electrochimica Acta, 2019, 321, 134709.	5.2	23
34	Synthesis and Photocatalytic Study of Ferrocenium Ion Incorporated Lacunary Keggin Hybrid Material. ChemistrySelect, 2019, 4, 10884-10894.	1.5	6
35	Extending the Ï€-electron conjugation in 2D planar graphitic carbon nitride: efficient charge separation for overall water splitting. Journal of Materials Chemistry A, 2019, 7, 3757-3771.	10.3	128
36	Multifunctional hierarchical ZnIn2S4Â±Î´ microflowers with photocatalytic and pseudocapacitive behavior. Solar Energy, 2019, 193, 806-813.	6.1	19

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37	Highly active and stable multi-walled carbon nanotubes-graphene-TiO2 nanohybrid: An efficient non-noble metal photocatalyst for water splitting. Catalysis Today, 2019, 321-322, 120-127.	4.4	75
38	Nanojunction-mediated visible light photocatalytic enhancement in heterostructured ternary BiOCl/CdS/g-C3N4 nanocomposites. Catalysis Today, 2019, 321-322, 18-25.	4.4	72
39	Fabrication of NiCo2S4 nanoball embedded nitrogen doped mesoporous carbon on nickel foam as an advanced charge storage material. Electrochimica Acta, 2018, 268, 139-149.	5.2	58
40	High energy density symmetric capacitor using zinc cobaltate flowers grown in situ on Ni foam. Electrochimica Acta, 2018, 261, 265-274.	5.2	33
41	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
42	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
43	Micro and nano-architectures of Co3O4 on Ni foam for electro-oxidation of methanol. International Journal of Hydrogen Energy, 2018, 43, 4706-4715.	7.1	57
44	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
45	Polyoxometalate entrapped caprolactam gels and their cytotoxicity study. Journal of Chemical Sciences, 2018, 130, 1.	1.5	11
46	Electrocatalytic Activity of Pd_{20â€“x}Ag_x Nanoparticles Embedded in Carbon Nanotubes for Methanol Oxidation in Alkaline Media. ACS Applied Energy Materials, 2018, 1, 3763-3770.	5.1	39
47	Visible light induced efficient hydrogen production through semiconductorâ€“conductorâ€“semiconductor (Sâ€“Câ€“S) interfaces formed between g-C₃N₄ and rGO/Fe₂O₃ coreâ€“shell composites. Catalysis Science and Technology, 2018, 8, 5081-5090.	4.1	39
48	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
49	Tuning the Surface Morphology and Pseudocapacitance of MnO₂by a Facile Green Method Employing Organic Reducing Sugars. ACS Applied Energy Materials, 2018, 1, 3654-3664.	5.1	21
50	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
51	Sol-gel-cum-hydrothermal synthesis of mesoporous Co-Fe@Al2O3âˆ’MCM-41 for methylene blue remediation. Journal of Chemical Sciences, 2017, 129, 381-395.	1.5	57
52	Facile hydrothermal synthesis of urchin-like cobalt manganese spinel for high-performance supercapacitor applications. Journal of Colloid and Interface Science, 2017, 503, 17-27.	9.4	37
53	Spinel ZnCo2O4 nanosheets as carbon and binder free electrode material for energy storage and electroreduction of H2O2. Journal of Alloys and Compounds, 2017, 696, 947-955.	5.5	32
54	In situ grown nano-architectures of Co3O4 on Ni-foam for charge storage application. Journal of Chemical Sciences, 2017, 129, 157-166.	1.5	26

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55	Hydrophobic supramolecular assemblies of Keggin anions with lactam-lactim cationic tautomers. Polyhedron, 2017, 137, 43-51.	2.2	13
56	Charge storage, electrocatalytic and sensing activities of nest-like nanostructured Co3O4. Journal of Colloid and Interface Science, 2017, 487, 20-30.	9.4	38
57	Significance of optimal N-doping in mesoporous carbon framework to achieve high specific capacitance. Applied Surface Science, 2017, 418, 40-48.	6.1	41
58	NiCo 2 O 4 hexagonal nanoplates anchored on reduced graphene oxide sheets with enhanced electrocatalytic activity and stability for methanol and water oxidation. Electrochimica Acta, 2016, 213, 717-729.	5.2	131
59	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
60	Enhanced photodegradation of dyes and mixed dyes by heterogeneous mesoporous Coâ€“Fe/Al₂O₃â€“MCM-41 nanocomposites: nanoparticles formation, semiconductor behavior and mesoporosity. RSC Advances, 2016, 6, 94263-94277.	3.6	28
61	NiCo2O4/rGO hybrid nanostructures for efficient electrocatalytic oxygen evolution. Journal of Solid State Electrochemistry, 2016, 20, 2725-2736.	2.5	60
62	Vanadium pentoxide nanochains for high-performance electrochemical supercapacitors. Journal of Colloid and Interface Science, 2016, 472, 210-219.	9.4	64
63	Effect of solvents on the morphology of NiCo2O4/graphene nanostructures for electrochemical pseudocapacitor application. Journal of Solid State Electrochemistry, 2016, 20, 1837-1844.	2.5	43
64	Polyaniline/clay Nanocomposites: Preparation, Characterization and Electrochemical Properties. IOP Conference Series: Materials Science and Engineering, 2015, 73, 012112.	0.6	3
65	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
66	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
67	Synthesis of mesoporous NiCo₂O₄â€“rGO by a solvothermal method for charge storage applications. RSC Advances, 2015, 5, 66657-66666.	3.6	115
68	In situ fabrication of porous festuca scoparia-like Ni0.3Co2.7O4 nanostructures on Ni-foam: An efficient electrode material for supercapacitor applications. International Journal of Hydrogen Energy, 2015, 40, 12303-12314.	7.1	47
69	Fabrication of the Mesoporous Fe@MnO₂NPsâ€“MCM-41 Nanocomposite: An Efficient Photocatalyst for Rapid Degradation of Phenolic Compounds. Journal of Physical Chemistry C, 2015, 119, 14145-14159.	3.1	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. RSC Advances, 2015, 5, 38407-38416.	3.6	55
71	Magnetic, optical and electrocatalytic properties of urchin and sheaf-like NiCo2O4 nanostructures. Materials Chemistry and Physics, 2015, 165, 235-244.	4.0	103
72	Synthesis and Catalytic Application of 12-Phosphotungstic Acid Encapsulated in SBA-15 by Impregnation and One-Pot Methods. Advanced Porous Materials, 2015, 2, 192-203.	0.3	1

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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	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
75	Novel nanostructured CeO 2 as efficient catalyst for energy and environmental applications. Journal of Chemical Sciences, 2014, 126, 361-372.	1.5	6
76	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
77	Alcohol induced ultra-fine dispersion of Pt on tuned morphologies of CeO2 for CO oxidation. Applied Catalysis B: Environmental, 2013, 130-131, 121-131.	20.2	49
78	Archetypal sandwich-structured CuO for high performance non-enzymatic sensing of glucose. Nanoscale, 2013, 5, 2089.	5.6	167
79	Investigation of chromium oxide clusters grafted on SBA-15 using Cr-polycation sol. Journal of Porous Materials, 2013, 20, 81-94.	2.6	12
80	Morphology-Controlled Promoting Activity of Nanostructured MnO₂ for Methanol and Ethanol Electrooxidation on Pt/C. Journal of Physical Chemistry C, 2013, 117, 4888-4900.	3.1	94
81	Nature and catalytic activity of bimetallic CuNi particles on CeO2 support. Catalysis Today, 2012, 198, 140-147.	4.4	42
82	Polymer-Assisted Hydrothermal Synthesis of Highly Reducible Shuttle-Shaped CeO₂: Microstructural Effect on Promoting Pt/C for Methanol Electrooxidation. ACS Catalysis, 2012, 2, 2795-2809.	11.2	141
83	Enhanced activity of microwave synthesized hierarchical MnO2 for high performance supercapacitor applications. Journal of Power Sources, 2012, 215, 317-328.	7.8	147
84	Synthesis of 3,4-dihydropyrimidin-2(1H)-ones/thiones using ZrOCl2/mont K10 under microwave assisted solvent-free conditions. Journal of Porous Materials, 2012, 19, 491-497.	2.6	17
85	PWA/montmorillonite K10 catalyst for synthesis of coumarins under solvent-free conditions. Journal of Porous Materials, 2012, 19, 233-242.	2.6	15
86	Nanoscale morphology dependent pseudocapacitance of NiO: Influence of intercalating anions during synthesis. Nanoscale, 2011, 3, 683-692.	5.6	280
87	Effect of Microwave on the Nanowire Morphology, Optical, Magnetic, and Pseudocapacitance Behavior of Co₃O₄. Journal of Physical Chemistry C, 2011, 115, 25543-25556.	3.1	240
88	Microwave-Mediated Synthesis for Improved Morphology and Pseudocapacitance Performance of Nickel Oxide. ACS Applied Materials & Interfaces, 2011, 3, 2063-2073.	8.0	416
89	Ultralayered Co₃O₄ for High-Performance Supercapacitor Applications. Journal of Physical Chemistry C, 2011, 115, 15646-15654.	3.1	902
90	Metal Oxide Promoted Electrocatalysts for Methanol Oxidation. Catalysis Surveys From Asia, 2011, 15, 221-229.	2.6	22

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91	Methanol oxidation on MoO3 promoted Pt/C electrocatalyst. International Journal of Hydrogen Energy, 2011, 36, 5875-5884.	7.1	111
92	CoS spheres for high-rate electrochemical capacitive energy storage application. International Journal of Hydrogen Energy, 2010, 35, 9709-9715.	7.1	139
93	Pine-cone morphology and pseudocapacitive behavior of nanoporous nickel oxide. Electrochimica Acta, 2010, 55, 8388-8396.	5.2	186
94	High performance Ptâ€"Nb2O5/C electrocatalysts for methanol electrooxidation in acidic media. Applied Catalysis B: Environmental, 2010, 100, 510-515.	20.2	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.	3.1	276
96	Synthesis and characterization of 1-butyl 3-methyl imidazolium phosphomolybdate molecular salt. Solid State Sciences, 2009, 11, 36-42.	3.2	78
97	Enhanced activity of methanol electro-oxidation on Ptâ€"V2O5/C catalysts. Catalysis Today, 2009, 141, 138-143.	4.4	87
98	Investigation of 12-Tungstophosphoric Acid Supported on Ce0.5Zr0.5O2 Solid Solution. Catalysis Letters, 2008, 120, 261-273.	2.6	38
99	Investigation of hybrid molecular material prepared by ionic liquid and polyoxometalate anion. Journal of Chemical Sciences, 2008, 120, 587-594.	1.5	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.	9.4	59
102	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
103	Characterization of hybrid molecular material prepared by 1-butyl 3-methyl imidazolium bromide and phosphotungstic acid. Materials Letters, 2008, 62, 4134-4136.	2.6	65
104	Al-pillared clay supported CuPd catalysts for nitrate reduction. Journal of Porous Materials, 2007, 14, 205-212.	2.6	22
105	Promoting effect of ceria on the physicochemical and catalytic properties of CeO2â€"ZnO composite oxide catalysts. Journal of Molecular Catalysis A, 2006, 243, 204-213.	4.8	126
106	A comparative UVâ€"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
107	Assignment of surface IR absorption spectra observed in the oxidation reactions: 2H+H2O/Si(100) and H2O+H/Si(100). Surface Science, 2005, 575, 330-342.	1.9	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.	2.6	16

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109	Infrared reflection absorption study of water interaction with H-terminated Si(100) surfaces. Bulletin of Materials Science, 2004, 27, 497-500.	1.7	9
110	Physicochemical and catalytic properties of Zr-pillared montmorillonite with varying pillar density. Microporous and Mesoporous Materials, 2004, 70, 43-50.	4.4	59
111	Three-pairs of doublet bands assigned toSiH2scissoring modes observed inH2O-induced oxidation of Si(100) surfaces. Physical Review B, 2004, 69, .	3.2	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.	2.6	47
113	A comparative infrared study of H2O reactivity on Si(100)-(2Ã—1), (2Ã—1)-H, (1Ã—1)-H and (3Ã—1)-H surfaces. Surface Science, 2004, 570, 178-188.	1.9	17
114	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
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 CeO2-ZnO materials: Promoting effect of ceria. Journal of Chemical Sciences, 2003, 115, 561-571.	1.5	10
117	Surface and catalytic properties of Cuâ€"Ceâ€"O composite oxides prepared by combustion method. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2003, 220, 261-269.	4.7	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.	1.1	2
119	Promoting effect of CeO2 on cyclohexanol conversion over CeO2-ZnO mixed oxide materials prepared by amorphous citrate process. Bulletin of Materials Science, 2002, 25, 155-162.	1.7	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.	1.7	8
122	XRD and UV-Vis diffuse reflectance analysis of CeO2-ZrO2 solid solutions synthesized by combustion method. Journal of Chemical Sciences, 2001, 113, 651-658.	1.5	148
123	Characterization of combustion synthesized zirconia powder by UV-vis, IR and other techniques. Bulletin of Materials Science, 2000, 23, 349-354.	1.7	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.	1.7	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 CeO2â€"ZrO2Solid Solutions. Journal of Catalysis, 1996, 162, 1-9.	6.2	202

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127	Rh-Loaded CeO2-ZrO2 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
128	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
129	Chemisorption of CO on Sm overlayers and SmRu alloy films on Ru(001). Surface Science, 1995, 336, 287-294.	1.9	10
130	A Study of Strong Metalâ€"Support Interaction Based on an Electron Spectroscopic Investigation of Nitrogen Adsorption on Simulated Ni/TiO₂, Ni/Ai₂O₃, and Related Catalyst Surfaces. World Scientific Series in 20th Century Chemistry, 1995, , 644-649.	0.0	0
131	NO decomposition over partially reduced metallized CeO2-ZrO2 solid solutions. Catalysis Letters, 1994, 24, 107-112.	2.6	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.	7.2	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.	6.1	9
135	Role of the Cu-O charge-transfer energy in the superconductivity of cuprates: Evidence from Cu 2pcore-level spectroscopy and theory. Physical Review B, 1990, 42, 1026-1028.	3.2	23
136	State of bismuth in BaBiO3and BaBi1âˆ'xPbxO3: Biâ€‰4fphotoemission and Biâ€‰L3absorption spectroscopic studies. Applied Physics Letters, 1990, 57, 1823-1824.	3.3	29
137	SYSTEMATICS IN THE O 1s CORE-LEVEL SPECTRA IN TRANSITION METAL OXIDES, LaMO3 (M = V, Cr, Mn, Fe, Co) Tj ETQq1 1 0.78431	1.9	8
138	Nature of copper in the new cuprate superconductorsPb2Sr2Ca1âˆ'xLxCu3O8+Î´. Physical Review B, 1989, 39, 9621-9623.	3.2	19
139	Investigations of oxide superconductors by x-ray absorption, photoemission and cognate spectroscopies. Phase Transitions, 1989, 19, 69-85.	1.3	4
140	Evidence for holes on oxygen in some nickel oxides. Journal of Physics Condensed Matter, 1989, 1, 2147-2150.	1.8	21
141	Elusive superconductivity in polycrystalline samples of layered lanthanum nickelates. Solid State Communications, 1989, 72, 195-197.	1.9	16
142	Adsorption of CO and N2 on modified transition-metal surfaces. Chemical Physics Letters, 1988, 146, 557-560.	2.6	6
143	Superconductivity in the Bi2(Ca, Sr)n+1CunO2n+4 (n=1, 2, or 3) series: Synthesis, characterization and mechanism. Physica C: Superconductivity and Its Applications, 1988, 156, 827-833.	1.2	38
144	A comparative study of CO and N2 adsorbed on clean and promoted transition metal surfaces by a combined use of EELS, XPES and UVPES. Spectrochimica Acta Part A: Molecular Spectroscopy, 1987, 43, 1479-1486.	0.1	4

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145	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
146	Nitrogen adsorbed on clean and promoted Ni surfaces. Surface Science, 1986, 176, L835-L840.	1.9	9