Toshiyuki Mori

List of Publications by Year
in descending order

310	13,401	19608 61	28224 105
papers	citations	h-index	g-index

323	323	323	13583
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Phosphorus-Doped Carbon Nitride Solid: Enhanced Electrical Conductivity and Photocurrent Generation. Journal of the American Chemical Society, 2010, 132, 6294-6295.	6.6	1,176
2	Preparation and Characterization of Well-Ordered Hexagonal Mesoporous Carbon Nitride. Advanced Materials, 2005, 17, 1648-1652.	11.1	512
3	Non-covalent doping of graphitic carbon nitride polymer with graphene: controlled electronic structure and enhanced optoelectronic conversion. Energy and Environmental Science, 2011, 4, 4517.	15.6	408
4	Highly Ordered Nitrogenâ€Rich Mesoporous Carbon Nitrides and Their Superior Performance for Sensing and Photocatalytic Hydrogen Generation. Angewandte Chemie - International Edition, 2017, 56, 8481-8485.	7.2	345
5	Photocatalytic activity of La-doped ZnO for the degradation of monocrotophos in aqueous suspension. Journal of Molecular Catalysis A, 2007, 266, 149-157.	4.8	315
6	Co-precipitation synthesis and sintering of yttrium aluminum garnet (YAG) powders: the effect of precipitant. Journal of the European Ceramic Society, 2000, 20, 2395-2405.	2.8	308
7	Wet chemical synthesis of nitrogen-doped graphene towards oxygen reduction electrocatalysts without high-temperature pyrolysis. Journal of Materials Chemistry, 2012, 22, 6575.	6.7	274
8	Preparation of Highly Ordered Nitrogenâ€Containing Mesoporous Carbon from a Gelatin Biomolecule and its Excellent Sensing of Acetic Acid. Advanced Functional Materials, 2012, 22, 3596-3604.	7.8	194
9	Photocatalytic degradation of 2,4,6-trichlorophenol using lanthanum doped ZnO in aqueous suspension. Catalysis Communications, 2007, 8, 1377-1382.	1.6	189
10	Oxide ionic conductivity and microstructures of Sm- or La-doped CeO2-based systems. Solid State Ionics, 2002, 154-155, 461-466.	1.3	185
11	Coordination chemistry and supramolecular chemistry in mesoporous nanospace. Coordination Chemistry Reviews, 2007, 251, 2562-2591.	9.5	179
12	Carboxy-mesoporous carbon and its excellent adsorption capability for proteins. Journal of Materials Chemistry, 2007, 17, 1819.	6.7	177
13	Synthesis of Mesoporous BN and BCN Exhibiting Large Surface Areas via Templating Methods. Chemistry of Materials, 2005, 17, 5887-5890.	3.2	164
14	Low temperature processing of dense samarium-doped CeO2 ceramics: sintering and grain growth behaviors. Acta Materialia, 2004, 52, 2221-2228.	3.8	163
15	Fabrication of Transparent Yttria Ceramics by the Lowâ€Temperature Synthesis of Yttrium Hydroxide. Journal of the American Ceramic Society, 2002, 85, 1725-1729.	1.9	159
16	New families of mesoporous materials. Science and Technology of Advanced Materials, 2006, 7, 753-771.	2.8	156
17	Large pore cage type mesoporous carbon, carbon nanocage: a superior adsorbent for biomaterials. Journal of Materials Chemistry, 2005, 15, 5122.	6.7	144
18	Facile synthesis and basic catalytic application of 3D mesoporous carbon nitride with a controllable bimodal distribution. Journal of Materials Chemistry, 2012, 22, 9831.	6.7	140

#	Article	IF	Citations
19	Synthesis of Nitrogenâ€Rich Mesoporous Carbon Nitride with Tunable Pores, Band Gaps and Nitrogen Content from a Single Aminoguanidine Precursor. ChemSusChem, 2012, 5, 700-708.	3.6	136
20	Polymeric Carbon Nitrides: Semiconducting Properties and Emerging Applications in Photocatalysis and Photoelectrochemical Energy Conversion. Science of Advanced Materials, 2012, 4, 282-291.	0.1	136
21	One-Pot Separation of Tea Components through Selective Adsorption on Pore-Engineered Nanocarbon, Carbon Nanocage. Journal of the American Chemical Society, 2007, 129, 11022-11023.	6.6	134
22	Oxygen-vacancy ordering in lanthanide-doped ceria: Dopant-type dependence and structure model. Physical Review B, 2008, 77, .	1.1	133
23	Microstructural and Metalâ^'Support Interactions of the Ptâ^'CeO₂/C Catalysts for Direct Methanol Fuel Cell Application. Langmuir, 2011, 27, 3859-3866.	1.6	133
24	Three-Dimensional Cage Type Mesoporous CN-Based Hybrid Material with Very High Surface Area and Pore Volume. Chemistry of Materials, 2007, 19, 4367-4372.	3.2	127
25	Role of Cerium Oxide in the Enhancement of Activity for the Oxygen Reduction Reaction at Ptâ€“CeO_x Nanocomposite Electrocatalyst - An in Situ Electrochemical X-ray Absorption Fine Structure Study. Journal of Physical Chemistry C, 2012, 116, 10098-10102.	1.5	121
26	Lowâ€Temperature Fabrication of Transparent Yttrium Aluminum Garnet (YAG) Ceramics without Additives. Journal of the American Ceramic Society, 2000, 83, 961-963.	1.9	120
27	Oxygen vacancy ordering in heavily rare-earth-doped ceria. Applied Physics Letters, 2006, 89, 171911.	1.5	119
28	Microstructures and electrolytic properties of yttrium-doped ceria electrolytes: Dopant concentration and grain size dependences. Acta Materialia, 2006, 54, 3737-3746.	3.8	117
29	Putting the â€˜Nâ€™ in ACENE: Pyrazinacenes and their structural relatives. Organic and Biomolecular Chemistry, 2011, 9, 5005.	1.5	111
30	Influence of particle morphology on nanostructural feature and conducting property in Sm-doped CeO2 sintered body. Solid State Ionics, 2004, 175, 641-649.	1.3	107
31	Carbon nanocage: a large-pore cage-type mesoporous carbon material as an adsorbent for biomolecules. Journal of Porous Materials, 2006, 13, 379-383.	1.3	107
32	Photoluminescence study of mixtures of anatase and rutile TiO2 nanoparticles: Influence of charge transfer between the nanoparticles on their photoluminescence excitation bands. Chemical Physics Letters, 2005, 409, 81-84.	1.2	106
33	Fabrication of partially graphitic three-dimensional nitrogen-doped mesoporous carbon using polyaniline nanocomposite through nanotemplating method. Microporous and Mesoporous Materials, 2008, 109, 398-404.	2.2	105
34	Characterization and sintering of nanocrystalline CeO2 powders synthesized by a mimic alkoxide method. Acta Materialia, 2001, 49, 419-426.	3.8	101
35	Controlling the textural parameters of mesoporous carbon materials. Microporous and Mesoporous Materials, 2007, 100, 20-26.	2.2	100
36	Synthesis of Mgâ€“Al spinel powder via precipitation using ammonium bicarbonate as the precipitant. Journal of the European Ceramic Society, 2001, 21, 139-148.	2.8	97

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37	Multiple Doping Effect on the Electrical Conductivity in the (Ce₁₋<i>_x</i>₋<i>_y</i&g (M = Ca, Sr) System. Electrochemistry, 2000, 68, 455-459.		
38	A wet-chemical process yielding reactive magnesium aluminate spinel (MgAl2O4) powder. Ceramics International, 2001, 27, 481-489.	2.3	93
39	Thermoelectric properties of homologous p- and n-type boron-rich borides. Journal of Solid State Chemistry, 2006, 179, 2908-2915.	1.4	90
40	Selective sensing performance of mesoporous carbon nitride with a highly ordered porous structure prepared from 3-amino-1,2,4-triazine. Journal of Materials Chemistry A, 2013, 1, 2913.	5.2	90
41	Sparse modeling of EELS and EDX spectral imaging data by nonnegative matrix factorization. Ultramicroscopy, 2016, 170, 43-59.	0.8	90
42	Highly Crystalline and Conductive Nitrogenâ€Doped Mesoporous Carbon with Graphitic Walls and Its Electrochemical Performance. Chemistry - A European Journal, 2011, 17, 3390-3397.	1.7	89
43	Reactive Ceria Nanopowders via Carbonate Precipitation. Journal of the American Ceramic Society, 2002, 85, 2376-2378.	1.9	86
44	Improvement of Grain-Boundary Conductivity of 8 mol % Yttria-Stabilized Zirconia by Precursor Scavenging of Siliceous Phase. Journal of the Electrochemical Society, 2000, 147, 2822.	1.3	85
45	Platinum-Doped CeO₂Thin Film Catalysts Prepared by Magnetron Sputtering. Langmuir, 2010, 26, 12824-12831.	1.6	84
46	Preparation of High-Purity ZrSiO4 Powder Using Sol-Gel Processing and Mechanical Properties of the Sintered Body. Journal of the American Ceramic Society, 1992, 75, 2420-2426.	1.9	82
47	Threeâ€Dimensional Ultralargeâ€Pore Ia3d Mesoporous Silica with Various Pore Diameters and Their Application in Biomolecule Immobilization. Chemistry - A European Journal, 2008, 14, 11529-11538.	1.7	80
48	Fabrication of Translucent Magnesium Aluminum Spinel Ceramics. Journal of the American Ceramic Society, 2000, 83, 2866-2868.	1.9	78
49	Lowâ€Temperature Synthesis of Praseodymiumâ€Doped Ceria Nanopowders. Journal of the American Ceramic Society, 2002, 85, 3105-3107.	1.9	75
50	Activity of oxygen reduction reaction on small amount of amorphous CeO promoted Pt cathode for fuel cell application. Electrochimica Acta, 2011, 56, 3874-3883.	2.6	75
51	Feâ€“Nâ€“C Artificial Enzyme: Activation of Oxygen for Dehydrogenation and Monoxygenation of Organic Substrates under Mild Condition and Cancer Therapeutic Application. ACS Applied Materials & Interfaces, 2018, 10, 35327-35333.	4.0	73
52	Synthesis and Characterization of Nano-Hetero-Structured Dy Doped CeO2 Solid Electrolytes Using a Combination of Spark Plasma Sintering and Conventional Sintering. Journal of the American Ceramic Society, 2005, 88, 1981-1984.	1.9	71
53	Reactive Ce0.8RE0.2O1.9 (RE = La, Nd, Sm, Gd, Dy, Y, Ho, Er, and Yb) Powders via Carbonate Coprecipitation. 1. Synthesis and Characterization. Chemistry of Materials, 2001, 13, 2913-2920.	3.2	70
54	Fabrication of Transparent, Sintered Sc2O3 Ceramics. Journal of the American Ceramic Society, 2005, 88, 817-821.	1.9	69

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55	Heat capacity and thermodynamic functions of zirconia and yttria-stabilized zirconia. Journal of Chemical Thermodynamics, 1999, 31, 831-845.	1.0	68
56	Nanocrystalline Ce1â^'xYxO2â^'x/2 (0â‰xâ‰0.35) Oxides via Carbonate Precipitation: Synthesis and Characterization. Journal of Solid State Chemistry, 2002, 168, 52-59.	1.4	67
57	Well-sinterable Y₃Al₅O₁₂ Powder from Carbonate Precursor. Journal of Materials Research, 2000, 15, 1514-1523.	1.2	66
58	Pyrazinacenes: Aza Analogues of Acenes. Journal of Organic Chemistry, 2009, 74, 8914-8923.	1.7	66
59	Influence of nano-structural feature on electrolytic properties in Y2O3 doped CeO2 system. Science and Technology of Advanced Materials, 2003, 4, 213-220.	2.8	65
60	Anhydrous Proton-Conducting Properties of Nafionâ€"1,2,4-Triazole and Nafionâ€"Benzimidazole Membranes for Polymer Electrolyte Fuel Cells. Journal of the Electrochemical Society, 2007, 154, A290.	1.3	65
61	Design of nanostructured ceria-based solid electrolytes for development of IT-SOFC. Journal of Solid State Electrochemistry, 2008, 12, 841-849.	1.2	65
62	10â€mol%â€Gd₂O₃â€Doped CeO₂ Solid Solutions via Carbonate Coprecipitation: A Comparative Study. Journal of the American Ceramic Society, 2003, 86, 915-921.	1.9	61
63	Design of High-Quality Pt?CeO2Composite Anodes Supported by Carbon Black for Direct Methanol Fuel Cell Application. Journal of the American Ceramic Society, 2007, 90, 1291-1294.	1.9	60
64	Compositional and structural characteristics of nano-sized domains in gadolinium-doped ceria. Solid State Ionics, 2008, 179, 827-831.	1.3	58
65	An Intermediate-Temperature Biomass Fuel Cell Using Wood Sawdust and Pulp Directly as Fuel. Journal of the Electrochemical Society, 2017, 164, F557-F563.	1.3	53
66	Influence of microstructure on oxide ionic conductivity in doped CeO2 electrolytes. Journal of Electroceramics, 2006, 17, 749-757.	0.8	50
67	Electrolytic Properties and Nanostructural Features in the La[sub 2]O[sub 3]-CeO[sub 2] System. Journal of the Electrochemical Society, 2003, 150, A665.	1.3	49
68	Direct evidence of dopant segregation in Gd-doped ceria. Applied Physics Letters, 2011, 98, .	1.5	49
69	Coupling multiphase-Fe and hierarchical N-doped graphitic carbon as trifunctional electrocatalysts by supramolecular preorganization of precursors. Chemical Communications, 2017, 53, 2044-2047.	2.2	49
70	Recent Advances in Functionalized Nanoporous Carbons Derived from Waste Resources and Their Applications in Energy and Environment. Advanced Sustainable Systems, 2021, 5, .	2.7	49
71	Defects clustering and ordering in di- and trivalently doped ceria. Materials Research Bulletin, 2013, 48, 807-812.	2.7	48
72	Ionic liquid-derived Feâ€"N/C catalysts for highly efficient oxygen reduction reaction without any supports, templates, or multi-step pyrolysis. Journal of Materials Chemistry A, 2016, 4, 6630-6638.	5.2	48

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73	Dopant type dependency of domain development in rare-earth-doped ceria: An explanation by computer simulation of defect clusters. Solid State Ionics, 2009, 180, 1127-1132.	1.3	47
74	TEM and XPS analysis of CaxCe1-xO2-y (x=0.05â€“0.5) as electrolyte materials for solid oxide fuel cells. Acta Materialia, 2009, 57, 722-731.	3.8	47
75	Stability of Ceria Supports in Ptâ€“CeO_x/C Catalysts. Journal of Physical Chemistry C, 2011, 115, 19239-19245.	1.5	47
76	Reductive decomposition of nitrate ion to nitrogen in water on a unique hollandite photocatalyst. Applied Catalysis B: Environmental, 1999, 23, 283-289.	10.8	46
77	Organicâ€“Inorganic Hybrid Membranes for a PEMFC Operation at Intermediate Temperatures. Journal of the Electrochemical Society, 2006, 153, A508.	1.3	45
78	Simulation of ordering in large defect clusters in gadolinium-doped ceria. Solid State Ionics, 2008, 179, 1962-1967.	1.3	45
79	Laser-assisted three-dimensional atom probe analysis of dopant distribution in Gd-doped CeO2. Scripta Materialia, 2010, 63, 332-335.	2.6	45
80	Design of Low Pt Concentration Electrocatalyst Surfaces with High Oxygen Reduction Reaction Activity Promoted by Formation of a Heterogeneous Interface between Pt and CeO_x Nanowire. ACS Applied Materials & Interfaces, 2016, 8, 9059-9070.	4.0	44
81	Preparation and characterization of novel microporous carbon nitride with very high surface area via nanocasting technique. Microporous and Mesoporous Materials, 2008, 108, 340-344.	2.2	43
82	Synthesis, characterization, and electrical conduction of 10mol% Dy2O3-doped CeO2 ceramics. Journal of the European Ceramic Society, 2005, 25, 949-956.	2.8	42
83	Present status and future prospect of design of Ptâ€“cerium oxide electrodes for fuel cell applications. Progress in Natural Science: Materials International, 2012, 22, 561-571.	1.8	42
84	Unusual Magnetic Properties of Sizeâ€Controlled Iron Oxide Nanoparticles Grown in a Nanoporous Matrix with Tunable Pores. Angewandte Chemie - International Edition, 2009, 48, 7358-7361.	7.2	41
85	Low-temperature fabrication and electrical property of 10 mol% Sm2O3-doped CeO2 ceramics. Science and Technology of Advanced Materials, 2003, 4, 229-238.	2.8	40
86	Characterization and Catalytic Performances of Three-Dimensional Mesoporous FeSBA-1 Catalysts. Journal of Physical Chemistry B, 2006, 110, 11924-11931.	1.2	40
87	Highly Ordered Nitrogenâ€Rich Mesoporous Carbon Nitrides and Their Superior Performance for Sensing and Photocatalytic Hydrogen Generation. Angewandte Chemie, 2017, 129, 8601-8605.	1.6	40
88	Electrical conductivity in the system ZrO2â€“Y2O3â€“Sc2O3. Solid State Ionics, 1998, 107, 185-189.	1.3	39
89	Fast proton conductor under anhydrous condition synthesized from 12-phosphotungstic acid and ionic liquid. Electrochimica Acta, 2007, 53, 963-967.	2.6	39
90	Formation mechanism of ZrSiO4 powders. Journal of Materials Science, 1993, 28, 4970-4973.	1.7	38

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91	Photoluminescence excitation bands corresponding to defect states due to oxygen vacancies in yttria-stabilized zirconia. Journal of Alloys and Compounds, 2006, 408-412, 728-731.	2.8	38
92	Hexagonally ordered mesoporous highly acidic AlSBA-15 with different morphology: An efficient catalyst for acetylation of aromatics. Microporous and Mesoporous Materials, 2008, 116, 108-115.	2.2	38
93	A structure model of nano-sized domain in Gd-doped ceria. Solid State Ionics, 2009, 180, 1414-1420.	1.3	38
94	Driving electrochemical oxygen reduction and hydrazine oxidation reaction by enzyme-inspired polymeric Cu(3,3â€²-diaminobenzidine) catalyst. Journal of Materials Chemistry A, 2017, 5, 17413-17420.	5.2	38
95	Influence of platinum loading on photoluminescence of TiO2 powder. Journal of Applied Physics, 2004, 96, 925-927.	1.1	37
96	Reactive 10mol% RE2O3 (RE=Gd and Sm) doped CeO2 nanopowders: Synthesis, characterization, and low-temperature sintering into dense ceramics. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2005, 121, 54-59.	1.7	36
97	Compositional and valent state inhomogeneities and ordering of oxygen vacancies in terbium-doped ceria. Journal of Applied Physics, 2007, 101, 113528.	1.1	36
98	Evidence of Intragranular Segregation of Dopant Cations in Heavily Yttrium-Doped Ceria. Electrochemical and Solid-State Letters, 2007, 10, P1.	2.2	35
99	Comparative study on the magnetic properties of iron oxide nanoparticles loaded on mesoporous silica and carbon materials with different structure. Microporous and Mesoporous Materials, 2009, 121, 178-184.	2.2	35
100	Improvement of Cathode Performance on Pt-CeO_x by Optimization of Electrochemical Pretreatment Condition for PEFC Application. Langmuir, 2012, 28, 16692-16700.	1.6	35
101	Application of a Crystallographic Index for Improvement of the Electrolytic Properties of the CeO2â€‰â€â€‰Sm2â€‰Oâ€‰3 System. Journal of the Electrochemical Society, 1999, 146, 4380-4385.	1.3	34
102	Ordered structures of defect clusters in gadolinium-doped ceria. Journal of Chemical Physics, 2011, 134, 224708.	1.2	34
103	Defect Structure Analysis of Heterointerface between Pt and CeO_x Promoter on Pt Electro-Catalyst. ACS Applied Materials & Interfaces, 2015, 7, 2698-2707.	4.0	34
104	Development of nickel based cermet anode materials in solid oxide fuel cells â€“ Now and future. Materials Reports Energy, 2021, 1, 100003.	1.7	34
105	Monodispersed Sc₂O₃ precursor particles via homogeneous precipitation: Synthesis, thermal decomposition, and the effects of supporting anions on powder properties. Journal of Materials Research, 2003, 18, 1149-1156.	1.2	33
106	Silicotungstic acid/zirconia immobilized on SBA-15 for esterifications. Journal of Molecular Catalysis A, 2007, 271, 46-56.	4.8	33
107	Electrical conductivity of the systems, (Y1â^'xMx)3NbO7 (M=Ca, Mg) and Y3Nb1â^'xMxO7 (Mâ€²=Zr and Ce). Solid State Ionics, 1999, 123, 279-285.	1.3	32
108	Fabrication of Transparent Yttria Ceramics through the Synthesis of Ytttrium Hydroxide at Low Temperature and Doping by Sulfate Ions.. Journal of the Ceramic Society of Japan, 1999, 107, 297-299.	1.3	32

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109	Influence of nano-structure on electrolytic properties in CeO2 based system. Magyar AprÃ³vad KÃ¶zlemÃ©nyek, 2002, 70, 309-319.	1.4	31
110	Fabrication of transparent Sc₂O₃ ceramics with powders thermally pyrolyzed from sulfate. Journal of Materials Research, 2003, 18, 1816-1822.	1.2	31
111	Ionic Conductivities and Microstructures of Ytterbium-Doped Ceria. Journal of the Electrochemical Society, 2007, 154, B180.	1.3	31
112	Effect of nickel diffusion on the microstructure of Gd-doped ceria (GDC) electrolyte film supported by Niâ€“GDC cermet anode. Solid State Ionics, 2010, 181, 646-652.	1.3	31
113	Fabrication of a nano-structured Pt-loaded cerium oxide nanowire and its anode performance in the methanol electro-oxidation reaction. Journal of Materials Chemistry A, 2013, 1, 6262.	5.2	31
114	Imaging Secondaryâ€Ion Mass Spectroscopy Observation of the Scavenging of Siliceous Film from 8â€mol%â€Yttriaâ€Stabilized Zirconia by the Addition of Alumina. Journal of the American Ceramic Society, 2000, 83, 1273-1275.	1.9	30
115	Mutual Diffusion Occurring at the Interface between La_{0.6}Sr_{0.4}Co_{0.8}Fe_{0.2}O₃ Cathode and Gd-doped Ceria Electrolyte during IT-SOFC Cell Preparation. ACS Applied Materials & Interfaces, 2011, 3, 2772-2778.	4.0	30
116	Wetâ€Chemical Routes Leading to Scandia Nanopowders. Journal of the American Ceramic Society, 2003, 86, 1493-1499.	1.9	29
117	Microstructural characterization of terbium-doped ceria. Materials Research Bulletin, 2007, 42, 943-949.	2.7	29
118	Diverse Self-Assembly in Soluble Oligoazaacenes: A Microscopy Study. Langmuir, 2009, 25, 8408-8413.	1.6	29
119	Cerium-Reduction-Induced Defects Clustering, Ordering, and Associated Microstructure Evolution in Yttrium-Doped Ceria. Journal of Physical Chemistry C, 2012, 116, 5435-5443.	1.5	29
120	Optimization of ionic conductivity in solid electrolytes through dopant-dependent defect cluster analysis. Physical Chemistry Chemical Physics, 2012, 14, 8369.	1.3	29
121	Title is missing!. Journal of Materials Synthesis and Processing, 1998, 6, 175-179.	0.3	28
122	Lysozyme Adsorption onto Mesoporous Materials: Effect of Pore Geometry and Stability of Adsorbents. Journal of Nanoscience and Nanotechnology, 2007, 7, 828-832.	0.9	28
123	Halogen-free acylation of toluene over FeSBA-1 molecular sieves. Microporous and Mesoporous Materials, 2007, 100, 87-94.	2.2	28
124	Grain boundary's conductivity in heavily yttrium doped ceria. Solid State Ionics, 2012, 222-223, 31-37.	1.3	28
125	Order-Disorder Transition of BaM₂O₄ Bodies (M: La, Nd, Sm, Gd, Ho or Y) Synthesized by Sintering of BaCO₃-M₂O₃ Mixtures. Journal of the Ceramic Society of Japan, 1994, 102, 583-586.	1.3	27
126	Sc₂O₃ Nanopowders via Hydroxyl Precipitation: Effects of Sulfate Ions on Powder Properties. Journal of the American Ceramic Society, 2004, 87, 1008-1013.	1.9	27

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127	Designing Lower Critical Solution Temperature Behavior into a Discotic Small Molecule. Journal of Physical Chemistry Letters, 2010, 1, 1336-1340.	2.1	27
128	New hollandite catalysts for the selective reduction of nitrogen monoxide with propene. Applied Catalysis A: General, 1995, 129, L1-L7.	2.2	26
129	Reactive Ce0.8RE0.2O1.9 (RE = La, Nd, Sm, Gd, Dy, Y, Ho, Er, and Yb) Powders via Carbonate Coprecipitation. 2. Sintering. Chemistry of Materials, 2001, 13, 2921-2927.	3.2	26
130	Novel Hexagonally Ordered Nitrogen-doped Mesoporous Carbon from SBA-15/Polyaniline Nanocomposite. Chemistry Letters, 2007, 36, 770-771.	0.7	26
131	Characterization and the catalytic applications of mesoporous AlSBA-1. Microporous and Mesoporous Materials, 2009, 121, 18-25.	2.2	26
132	Catalytic property of the hollandite-type 1-D ion-conductors: Selective reduction of NOx. Solid State Ionics, 1995, 79, 376-381.	1.3	25
133	Crystal Phase and Sinterability of Wet-Chemically Derived YAG Powders.. Journal of the Ceramic Society of Japan, 2000, 108, 439-444.	1.3	25
134	Reactive yttrium aluminate garnet powder via coprecipitation using ammonium hydrogen carbonate as the precipitant. Journal of Materials Research, 2000, 15, 1864-1867.	1.2	25
135	Preparation and anode property of Pt-CeO2 electrodes supported on carbon black for direct methanol fuel cell applications. Journal of Materials Research, 2006, 21, 2314-2322.	1.2	25
136	Structural phase transformation through defect cluster growth in Gd-doped ceria. Physical Review B, 2011, 84, .	1.1	25
137	Defect clustering and local ordering in rare earth co-doped ceria. Physical Chemistry Chemical Physics, 2011, 13, 9554.	1.3	25
138	Mutual Diffusion and Microstructure Evolution at the Electrolyteâ^'Anode Interface in Intermediate Temperature Solid Oxide Fuel Cell. Journal of Physical Chemistry C, 2011, 115, 6877-6885.	1.5	25
139	Dislocation Associated Incubational Domain Formation in Lightly Gadolinium-Doped Ceria. Microscopy and Microanalysis, 2011, 17, 49-53.	0.2	25
140	Characterization of yttrium aluminate garnet precursors synthesized via precipitation using ammonium bicarbonate as the precipitant. Journal of Materials Research, 2000, 15, 2375-2386.	1.2	24
141	Microstructural Characteristics of SDC Electrolyte Film Supported by Niâ€"SDC Cermet Anode. Journal of the Electrochemical Society, 2009, 156, B825.	1.3	24
142	Preparation of LSGM powders for low temperature sintering. Solid State Ionics, 2009, 180, 788-791.	1.3	24
143	Effect of Grain Growth on Densification and Conductivity of Caâ€Doped CeO₂ Electrolyte. Journal of the American Ceramic Society, 2009, 92, 2745-2750.	1.9	23
144	Alkylation of naphthalene using propylene over mesoporous Al-MCM-48 catalysts. Catalysis Communications, 2007, 8, 1681-1683.	1.6	22

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145	Antioxidant-substituted tetrapyrazinoporphyrazine as a fluorescent sensor for basic anions. Chemical Communications, 2012, 48, 3951.	2.2	22
146	Reduction of thermal conductivity in dually doped ZnO by design of three-dimensional stacking faults. RSC Advances, 2014, 4, 2661-2672.	1.7	21
147	Mechanical Properties of High Purity Sintered ZrSiO₄. Journal of the Ceramic Society of Japan, 1990, 98, 1017-1022.	1.3	20
148	Preparation and Conductivity of Ba₂In₂O₅ Ceramics. Journal of the Ceramic Society of Japan, 1994, 102, 1159-1162.	1.3	20
149	Effects of dopant concentration and calcination temperature on the microstructure of Ca-doped ceria nanopowders. Journal of the European Ceramic Society, 2008, 28, 2709-2716.	2.8	20
150	Influence of Metal Ions on the Order-Disorder Transition Temperature of the Ba-M-O (M: La, Y, In, or) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.9	19
151	Photoluminescence properties of trace amounts of Pr and Tb in yttria-stabilized zirconia. Solid State Communications, 2004, 129, 421-424.	0.9	19
152	Photoemission study of the tin doped cerium oxide thin films prepared by RF magnetron sputtering. Thin Solid Films, 2010, 518, 2206-2209.	0.8	19
153	Title is missing!. Journal of Sol-Gel Science and Technology, 2000, 19, 505-510.	1.1	18
154	Microstructural Inhomogeneity in Holmium-Doped Ceria and Its Influence on the Ionic Conduction. Journal of the Electrochemical Society, 2007, 154, B616.	1.3	18
155	Breaking aggregation in a tetrathiafulvalene-fused zinc porphyrin by metalâ€“ligand coordination to form a donorâ€“acceptor hybrid for ultrafast charge separation and charge stabilization. Dalton Transactions, 2015, 44, 359-367.	1.6	18
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