

# Toshiyuki Mori

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

297  
papers

11,687  
citations

57  
h-index

97  
g-index

323  
ext. papers

12,397  
ext. citations

4.5  
avg, IF

6.15  
L-index

#	Paper	IF	Citations
297	Pyrazinacenes exhibit on-surface oxidation-state-dependent conformational and self-assembly behaviours. <i>Communications Chemistry</i> , <b>2021</b> , 4,	6.3	5
296	Development of nickel based cermet anode materials in solid oxide fuel cells [Now and future. <i>Materials Reports Energy</i> , <b>2021</b> , 1, 100003		12
295	Recent Advances in Functionalized Nanoporous Carbons Derived from Waste Resources and Their Applications in Energy and Environment. <i>Advanced Sustainable Systems</i> , <b>2021</b> , 5, 2000169	5.9	19
294	Surface layer of Pt-O-Ce bonds on CeOx nanowire with high ORR activity converted by proton beam irradiation. <i>Journal of the American Ceramic Society</i> , <b>2021</b> , 104, 1945-1952	3.8	0
293	Future prospects for the design of [state-of-the-art]solid oxide fuel cells. <i>JPhys Energy</i> , <b>2020</b> , 2, 031001	4.9	8
292	Design of Active Site at Heterointerface between Brownmillerite Type Oxide Promoter and Fluorite Cubic ZrO2 in Anode of Intermediate Temperature SOFCs. <i>ACS Applied Energy Materials</i> , <b>2019</b> , 2, 5183-5197	6.1	0
291	Phenanthroline-Fused Pyrazinacenes: One-Pot Synthesis, Tautomerization and a Ru(2,2',2''-bpy)2 Derivative. <i>European Journal of Inorganic Chemistry</i> , <b>2018</b> , 2018, 2541-2548	2.3	5
290	Fe-N-C Artificial Enzyme: Activation of Oxygen for Dehydrogenation and Monoxygenation of Organic Substrates under Mild Condition and Cancer Therapeutic Application. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 35327-35333	9.5	47
289	Design of Active Sites on Nickel in the Anode of Intermediate-Temperature Solid Oxide Fuel Cells using Trace Amount of Platinum Oxides. <i>ChemPlusChem</i> , <b>2018</b> , 83, 756-768	2.8	4
288	Design of Active Sites on Nickel in the Anode of Intermediate-Temperature Solid Oxide Fuel Cells using Trace Amount of Platinum Oxides. <i>ChemPlusChem</i> , <b>2018</b> , 83, 740	2.8	
287	Coupling multiphase-Fe and hierarchical N-doped graphitic carbon as trifunctional electrocatalysts by supramolecular preorganization of precursors. <i>Chemical Communications</i> , <b>2017</b> , 53, 2044-2047	5.8	42
286	High electrical conductivity in Ba2In2O5 brownmillerite based materials induced by design of a Frenkel defect structure. <i>RSC Advances</i> , <b>2017</b> , 7, 4688-4696	3.7	4
285	An Intermediate-Temperature Biomass Fuel Cell Using Wood Sawdust and Pulp Directly as Fuel. <i>Journal of the Electrochemical Society</i> , <b>2017</b> , 164, F557-F563	3.9	33
284	Highly Ordered Nitrogen-Rich Mesoporous Carbon Nitrides and Their Superior Performance for Sensing and Photocatalytic Hydrogen Generation. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 8601-8605	3.6	34
283	Highly Ordered Nitrogen-Rich Mesoporous Carbon Nitrides and Their Superior Performance for Sensing and Photocatalytic Hydrogen Generation. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 8481-8485	16.4	209
282	Driving electrochemical oxygen reduction and hydrazine oxidation reaction by enzyme-inspired polymeric Cu(3,3'-diaminobenzidine) catalyst. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 17413-17420	13	30
281	Effect of Carbon Supports on Enhancing Mass Kinetic Current Density of Fe-N/C Electrocatalysts. <i>Chemistry - A European Journal</i> , <b>2017</b> , 23, 14597-14603	4.8	15

280	Highly Efficient Electrocatalysis of Metal-Free, Graphitic and Sustainable Nitrogen Doped Mesoporous Carbon Towards Oxygen Reduction Reaction. <i>Advanced Porous Materials</i> , <b>2017</b> , 5, 26-35		3
279	Fluorescent mesomorphic pyrazinacenes. <i>Journal of Materials Chemistry C</i> , <b>2016</b> , 4, 11514-11523	7.1	7
278	Facile Synthesis of Crystalline Nanoporous GaN Templated by Nitrogen Enriched Mesoporous Carbon Nitride for Friedel-Crafts Reaction. <i>ChemistrySelect</i> , <b>2016</b> , 1, 6062-6068	1.8	5
277	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. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 9059-70	9.5	39
276	Ionic liquid-derived Fe <sub>N</sub> /C catalysts for highly efficient oxygen reduction reaction without any supports, templates, or multi-step pyrolysis. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 6630-6638	13	44
275	Sparse modeling of EELS and EDX spectral imaging data by nonnegative matrix factorization. <i>Ultramicroscopy</i> , <b>2016</b> , 170, 43-59	3.1	66
274	Study of the character of gold nanoparticles deposited onto sputtered cerium oxide layers by deposition-precipitation method: Influence of the preparation parameters. <i>Vacuum</i> , <b>2015</b> , 114, 86-92	3.7	6
273	Breaking aggregation in a tetrathiafulvalene-fused zinc porphyrin by metal-ligand coordination to form a donor-acceptor hybrid for ultrafast charge separation and charge stabilization. <i>Dalton Transactions</i> , <b>2015</b> , 44, 359-67	4.3	16
272	Defect structure analysis of heterointerface between Pt and CeO <sub>x</sub> promoter on Pt electro-catalyst. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 2698-707	9.5	26
271	HAXPES study of CeO <sub>x</sub> thin film/Silicon oxide interface. <i>Applied Surface Science</i> , <b>2014</b> , 303, 46-53	6.7	14
270	Reduction of thermal conductivity in dually doped ZnO by design of three-dimensional stacking faults. <i>RSC Advances</i> , <b>2014</b> , 4, 2661-2672	3.7	17
269	Relationship between lattice mismatch and ionic conduction of grain boundary in YSZ. <i>Progress in Natural Science: Materials International</i> , <b>2014</b> , 24, 83-86	3.6	15
268	Synthesis and Characterization of Nano-Hetero-Structured Dy Doped CeO <sub>2</sub> Solid Electrolytes Using a Combination of Spark Plasma Sintering and Conventional Sintering <b>2014</b> , 253-256		
267	Design of Pt-CeO <sub>x</sub> hetero-interface on electrodes in polymer electrolyte membrane fuel cells. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2014</b> , 54, 012010	0.4	1
266	An Assessment of Interatomic Potentials for Yttria-Stablized Zirconia. <i>Applied Mechanics and Materials</i> , <b>2014</b> , 492, 239-247	0.3	2
265	Fabrication of a nano-structured Pt-loaded cerium oxide nanowire and its anode performance in the methanol electro-oxidation reaction. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 6262	13	27
264	Microstructure evolution of yttria-doped ceria in reducing atmosphere. <i>Renewable Energy</i> , <b>2013</b> , 50, 494-497	8.1	2
263	Selective sensing performance of mesoporous carbon nitride with a highly ordered porous structure prepared from 3-amino-1,2,4-triazine. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 2913	13	71

262	Microanalysis of a grain boundary's blocking effect in lanthanum silicate electrolyte for intermediate-temperature solid oxide fuel cells. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2013</b> , 5, 5307-13	9.5	7
261	Defects clustering and ordering in di- and trivalently doped ceria. <i>Materials Research Bulletin</i> , <b>2013</b> , 48, 807-812	5.1	37
260	Microstructural and chemical characterization of ordered structure in yttrium doped ceria. <i>Microscopy and Microanalysis</i> , <b>2013</b> , 19, 102-10	0.5	13
259	Advanced Materials for Fuel Cells <b>2013</b> , 1175-1187		
258	Nanodomain formation and distribution in Gd-doped ceria. <i>Materials Research Bulletin</i> , <b>2012</b> , 47, 763-767	5.1	16
257	Wet chemical synthesis of nitrogen-doped graphene towards oxygen reduction electrocatalysts without high-temperature pyrolysis. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 6575		257
256	Antioxidant-substituted tetrapyrazinoporphyrazine as a fluorescent sensor for basic anions. <i>Chemical Communications</i> , <b>2012</b> , 48, 3951-3	5.8	21
255	Facile synthesis and basic catalytic application of 3D mesoporous carbon nitride with a controllable bimodal distribution. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 9831		122
254	Present status and future prospect of design of Pt/mercury oxide electrodes for fuel cell applications. <i>Progress in Natural Science: Materials International</i> , <b>2012</b> , 22, 561-571	3.6	32
253	Cerium-Reduction-Induced Defects Clustering, Ordering, and Associated Microstructure Evolution in Yttrium-Doped Ceria. <i>Journal of Physical Chemistry C</i> , <b>2012</b> , 116, 5435-5443	3.8	26
252	Improvement of cathode performance on Pt-CeO(x) by optimization of electrochemical pretreatment condition for PEFC application. <i>Langmuir</i> , <b>2012</b> , 28, 16692-700	4	28
251	Role of Cerium Oxide in the Enhancement of Activity for the Oxygen Reduction Reaction at Pt/CeOx Nanocomposite Electrocatalyst - An in Situ Electrochemical X-ray Absorption Fine Structure Study. <i>Journal of Physical Chemistry C</i> , <b>2012</b> , 116, 10098-10102	3.8	105
250	Grain boundary's conductivity in heavily yttrium doped ceria. <i>Solid State Ionics</i> , <b>2012</b> , 222-223, 31-37	3.3	25
249	Incubational domain characterization in lightly doped ceria. <i>Journal of Solid State Chemistry</i> , <b>2012</b> , 192, 28-33	3.3	2
248	Preparation and performance of intermediate-temperature fuel cells based on Gd-doped ceria electrolytes with different compositions. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , <b>2012</b> , 177, 1538-1541	3.1	3
247	Structures of Defect Clusters on Ceria {111} Surface. <i>Journal of Physical Chemistry C</i> , <b>2012</b> , 116, 25777-25782	3.8	8
246	Optimization of ionic conductivity in solid electrolytes through dopant-dependent defect cluster analysis. <i>Physical Chemistry Chemical Physics</i> , <b>2012</b> , 14, 8369-75	3.6	26
245	Preparation of Highly Ordered Nitrogen-Containing Mesoporous Carbon from a Gelatin Biomolecule and its Excellent Sensing of Acetic Acid. <i>Advanced Functional Materials</i> , <b>2012</b> , 22, 3596-3604	15.6	177

244	Synthesis of nitrogen-rich mesoporous carbon nitride with tunable pores, band gaps and nitrogen content from a single aminoguanidine precursor. <i>ChemSusChem</i> , <b>2012</b> , 5, 700-8	8.3	117
243	Low-Temperature Synthesis of Pyrano- and Furo[3,2-c]quinolines via Povarov Reaction Using a Highly Ordered 3D Nanoporous Catalyst with a High Acidity. <i>Synlett</i> , <b>2012</b> , 23, 2237-2240	2.2	3
242	Nano-structure design of doped ceria solid electrolytes for intermediate temperature operation of solid oxide fuel cell. <i>Transactions of the Materials Research Society of Japan</i> , <b>2012</b> , 20thAnniv, 5-15	0.2	
241	Microstructural evolution in a CeO <sub>2</sub> -Gd <sub>2</sub> O <sub>3</sub> system. <i>Microscopy and Microanalysis</i> , <b>2012</b> , 18, 162-70	0.5	10
240	Polymeric Carbon Nitrides: Semiconducting Properties and Emerging Applications in Photocatalysis and Photoelectrochemical Energy Conversion. <i>Science of Advanced Materials</i> , <b>2012</b> , 4, 282-291	2.3	130
239	Nano-structure Analysis of Interface in Anode Supported Gd-doped Ceria Thin Film Electrolyte. <i>Transactions of the Materials Research Society of Japan</i> , <b>2012</b> , 37, 389-392	0.2	
238	Ordered structures of defect clusters in gadolinium-doped ceria. <i>Journal of Chemical Physics</i> , <b>2011</b> , 134, 224708	3.9	31
237	Non-covalent doping of graphitic carbon nitride polymer with graphene: controlled electronic structure and enhanced optoelectronic conversion. <i>Energy and Environmental Science</i> , <b>2011</b> , 4, 4517	35.4	371
236	Microstructural and metal-support interactions of the Pt-CeO <sub>2</sub> /C catalysts for direct methanol fuel cell application. <i>Langmuir</i> , <b>2011</b> , 27, 3859-66	4	122
235	The diffusions and associated interfacial layer formation between thin film electrolyte and cermet anode in IT-SOFC. <i>Journal of Alloys and Compounds</i> , <b>2011</b> , 509, 9679-9684	5.7	9
234	Morphological control of porous SiC templated by As-synthesized form of mesoporous silica. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2011</b> , 11, 6823-9	1.3	5
233	Dislocation associated incubational domain formation in lightly gadolinium-doped ceria. <i>Microscopy and Microanalysis</i> , <b>2011</b> , 17, 49-53	0.5	22
232	Two types of diffusions at the cathode/electrolyte interface in IT-SOFCs. <i>Journal of Solid State Chemistry</i> , <b>2011</b> , 184, 2458-2461	3.3	5
231	Diffusion and segregation along grain boundary at the electrolyte-node interface in IT-SOFC. <i>Solid State Ionics</i> , <b>2011</b> , 191, 55-60	3.3	13
230	Highly crystalline and conductive nitrogen-doped mesoporous carbon with graphitic walls and its electrochemical performance. <i>Chemistry - A European Journal</i> , <b>2011</b> , 17, 3390-7	4.8	83
229	Superstructure formation and variation in Ni-GDC cermet anodes in SOFC. <i>Physical Chemistry Chemical Physics</i> , <b>2011</b> , 13, 9685-90	3.6	11
228	Preparation and characterization of highly ordered mesoporous SiC nanoparticles with rod shaped morphology and tunable pore diameters. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 8792		9
227	Tautomers of extended reduced pyrazinacenes: a density-functional-theory based study. <i>Physical Chemistry Chemical Physics</i> , <b>2011</b> , 13, 2145-50	3.6	8

226	Structural phase transformation through defect cluster growth in Gd-doped ceria. <i>Physical Review B</i> , <b>2011</b> , 84,	3.3	24
225	Mutual diffusion occurring at the interface between La <sub>0.1</sub> Co <sub>0.1</sub> Fe <sub>0.8</sub> O <sub>3-δ</sub> cathode and Gd-doped ceria electrolyte during IT-SOFC cell preparation. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2011</b> , 3, 2772-895	3.5	25
224	Defect clustering and local ordering in rare earth co-doped ceria. <i>Physical Chemistry Chemical Physics</i> , <b>2011</b> , 13, 9554-60	3.6	23
223	Putting the 'N' in ACENE: pyrazinacenes and their structural relatives. <i>Organic and Biomolecular Chemistry</i> , <b>2011</b> , 9, 5005-17	3.9	104
222	Direct evidence of dopant segregation in Gd-doped ceria. <i>Applied Physics Letters</i> , <b>2011</b> , 98, 093104	3.4	46
221	Mutual Diffusion and Microstructure Evolution at the Electrolyte/Anode Interface in Intermediate Temperature Solid Oxide Fuel Cell. <i>Journal of Physical Chemistry C</i> , <b>2011</b> , 115, 6877-6885	3.8	23
220	Stability of Ceria Supports in Pt/CeO <sub>x</sub> /C Catalysts. <i>Journal of Physical Chemistry C</i> , <b>2011</b> , 115, 19239-19245	3.8	45
219	Activity of oxygen reduction reaction on small amount of amorphous CeO <sub>x</sub> promoted Pt cathode for fuel cell application. <i>Electrochimica Acta</i> , <b>2011</b> , 56, 3874-3883	6.7	63
218	Glass-Phase Movement in Yttria-Stabilized Zirconia/Alumina Composites. <i>Journal of the American Ceramic Society</i> , <b>2010</b> , 93, 1494	3.8	2
217	Nano-structure design of doped ceria solid electrolytes for intermediate temperature operation of solid oxide fuel cell. <i>Transactions of the Materials Research Society of Japan</i> , <b>2010</b> , 35, 431-441	0.2	1
216	Platinum-doped CeO <sub>2</sub> thin film catalysts prepared by magnetron sputtering. <i>Langmuir</i> , <b>2010</b> , 26, 12824-31	3.1	72
215	Physico-Chemical Properties of Highly Flexible Temperature Tolerant Anhydrous Nafion-1,2,3-Triazole Blend Membranes. <i>Journal of the Electrochemical Society</i> , <b>2010</b> , 157, B1872	3.9	15
214	Designing Lower Critical Solution Temperature Behavior into a Discotic Small Molecule. <i>Journal of Physical Chemistry Letters</i> , <b>2010</b> , 1, 1336-1340	6.4	19
213	Tautomerism in Reduced Pyrazinacenes. <i>Journal of Chemical Theory and Computation</i> , <b>2010</b> , 6, 517-25	6.4	15
212	Phosphorus-doped carbon nitride solid: enhanced electrical conductivity and photocurrent generation. <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 6294-5	16.4	1014
211	Laser-assisted three-dimensional atom probe analysis of dopant distribution in Gd-doped CeO <sub>2</sub> . <i>Scripta Materialia</i> , <b>2010</b> , 63, 332-335	5.6	41
210	Pt and Sn Doped Sputtered CeO <sub>2</sub> Electrodes for Fuel Cell Applications. <i>Fuel Cells</i> , <b>2010</b> , 10, NA-NA	2.9	7
209	Microstructures and mechanical properties of Ce <sub>1-x</sub> CaxO <sub>2-δ</sub> (x=0.05, 0.1, 0.2) with different sintering temperatures. <i>Journal of the European Ceramic Society</i> , <b>2010</b> , 30, 669-675	6	10



208	Microstructural and chemical aspects of working-temperature aged Ca-doped CeO <sub>2</sub> . <i>Journal of the European Ceramic Society</i> , <b>2010</b> , 30, 2505-2513	6	4
207	Photoemission study of the tin doped cerium oxide thin films prepared by RF magnetron sputtering. <i>Thin Solid Films</i> , <b>2010</b> , 518, 2206-2209	2.2	19
206	Effect of nickel diffusion on the microstructure of Gd-doped ceria (GDC) electrolyte film supported by Ni <sub>0.2</sub> GDC cermet anode. <i>Solid State Ionics</i> , <b>2010</b> , 181, 646-652	3.3	26
205	Physico-chemical properties of temperature tolerant anhydrous nafion-benzimidazole blend membrane. <i>Solid State Ionics</i> , <b>2010</b> , 181, 1098-1102	3.3	11
204	Effect of Ni Diffusion on the Microstructure of Gd-Doped Ceria (GDC) Electrolyte Film Supported by Ni-GDC Cermet Anode. <i>Transactions of the Materials Research Society of Japan</i> , <b>2010</b> , 35, 401-404	0.2	
203	Direct-current-induced transformation at the interface between platinum anode and holmium-doped ceria electrolyte. <i>Journal of Applied Physics</i> , <b>2009</b> , 105, 113524	2.5	3
202	Small-Angle X-Ray Scattering and Proton Conductivity of Anhydrous Nafion <sup>®</sup> Benzimidazole Blend Membranes. <i>Journal of the Electrochemical Society</i> , <b>2009</b> , 156, B729	3.9	11
201	Microstructural Characteristics of SDC Electrolyte Film Supported by Ni <sub>0.2</sub> GDC Cermet Anode. <i>Journal of the Electrochemical Society</i> , <b>2009</b> , 156, B825	3.9	20
200	Unusual Magnetic Properties of Size-Controlled Iron Oxide Nanoparticles Grown in a Nanoporous Matrix with Tunable Pores. <i>Angewandte Chemie</i> , <b>2009</b> , 121, 7494-7497	3.6	9
199	Unusual magnetic properties of size-controlled iron oxide nanoparticles grown in a nanoporous matrix with tunable pores. <i>Angewandte Chemie - International Edition</i> , <b>2009</b> , 48, 7358-61	16.4	38
198	Novel Highly Acidic Nanoporous Cage Type Materials and Their Catalysis. <i>Topics in Catalysis</i> , <b>2009</b> , 52, 111-118	2.3	5
197	Effect of Grain Growth on Densification and Conductivity of Ca-Doped CeO <sub>2</sub> Electrolyte. <i>Journal of the American Ceramic Society</i> , <b>2009</b> , 92, 2745-2750	3.8	17
196	Characterization and the catalytic applications of mesoporous ALSBA-1. <i>Microporous and Mesoporous Materials</i> , <b>2009</b> , 121, 18-25	5.3	22
195	Preparation of LSGM powders for low temperature sintering. <i>Solid State Ionics</i> , <b>2009</b> , 180, 788-791	3.3	20
194	Dopant type dependency of domain development in rare-earth-doped ceria: An explanation by computer simulation of defect clusters. <i>Solid State Ionics</i> , <b>2009</b> , 180, 1127-1132	3.3	44
193	A structure model of nano-sized domain in Gd-doped ceria. <i>Solid State Ionics</i> , <b>2009</b> , 180, 1414-1420	3.3	32
192	Comparative study on the magnetic properties of iron oxide nanoparticles loaded on mesoporous silica and carbon materials with different structure. <i>Microporous and Mesoporous Materials</i> , <b>2009</b> , 121, 178-184	5.3	30
191	TEM and XPS analysis of Ca <sub>x</sub> Ce <sub>1-x</sub> O <sub>2-y</sub> (x=0.050.5) as electrolyte materials for solid oxide fuel cells. <i>Acta Materialia</i> , <b>2009</b> , 57, 722-731	8.4	40

190	Diverse self-assembly in soluble oligoazaacenes: a microscopy study. <i>Langmuir</i> , <b>2009</b> , 25, 8408-13	4	26
189	Pyrazinacenes: aza analogues of acenes. <i>Journal of Organic Chemistry</i> , <b>2009</b> , 74, 8914-23	4.2	55
188	Microstructural characterization of Ce <sub>1-x</sub> Tb <sub>x</sub> O <sub>2</sub> (0.60 ≤ x ≤ 0.90) sintered samples. <i>Materials Research Bulletin</i> , <b>2008</b> , 43, 759-764	5.1	11
187	Oxygen-vacancy ordering in lanthanide-doped ceria: Dopant-type dependence and structure model. <i>Physical Review B</i> , <b>2008</b> , 77,	3.3	115
186	Synthesis of Fructose and Acylal Using Hexagonally Ordered Mesoporous Aluminosilicate Catalyst. <i>Collection of Czechoslovak Chemical Communications</i> , <b>2008</b> , 73, 1112-1124		7
185	Development of high quality Pt/CeO <sub>2</sub> electrodes supported on carbon black for direct methanol fuel cell applications. <i>Advances in Applied Ceramics</i> , <b>2008</b> , 107, 57-63	2.3	13
184	Three-dimensional Mesoporous TiKIT-6 with Ia3d Symmetry Synthesized at Low Acid Concentration and Its Catalytic Performances. <i>Chemistry Letters</i> , <b>2008</b> , 37, 1016-1017	1.7	11
183	Minimization of Pt content in Pt-CeO <sub>2</sub> composite anode. <i>Transactions of the Materials Research Society of Japan</i> , <b>2008</b> , 33, 1097-1100	0.2	2
182	Comparison between Y-doped ceria and Ho-doped ceria: Electrical conduction and microstructures. <i>Renewable Energy</i> , <b>2008</b> , 33, 197-200	8.1	12
181	Design of nanostructured ceria-based solid electrolytes for development of IT-SOFC. <i>Journal of Solid State Electrochemistry</i> , <b>2008</b> , 12, 841-849	2.6	60
180	Three-dimensional ultralarge-pore Ia3d mesoporous silica with various pore diameters and their application in biomolecule immobilization. <i>Chemistry - A European Journal</i> , <b>2008</b> , 14, 11529-38	4.8	75
179	Hexagonally ordered mesoporous highly acidic ALSBA-15 with different morphology: An efficient catalyst for acetylation of aromatics. <i>Microporous and Mesoporous Materials</i> , <b>2008</b> , 116, 108-115	5.3	35
178	Compositional dependence of electrical conductivity of Ce <sub>1-x</sub> Tb <sub>x</sub> O <sub>2</sub> (0 ≤ x ≤ 1). <i>Renewable Energy</i> , <b>2008</b> , 33, 331-335	8.1	8
177	Effects of dopant concentration and calcination temperature on the microstructure of Ca-doped ceria nanopowders. <i>Journal of the European Ceramic Society</i> , <b>2008</b> , 28, 2709-2716	6	17
176	Ionogel electrolytes at medium temperatures by composite of ionic liquids with proton conducting cesium hydrogen sulfate. <i>Solid State Ionics</i> , <b>2008</b> , 179, 1178-1181	3.3	7
175	Compositional and structural characteristics of nano-sized domains in gadolinium-doped ceria. <i>Solid State Ionics</i> , <b>2008</b> , 179, 827-831	3.3	49
174	Simulation of ordering in large defect clusters in gadolinium-doped ceria. <i>Solid State Ionics</i> , <b>2008</b> , 179, 1962-1967	3.3	40
173	Spin-coating derived LSM-SDC films with uniform pore structure. <i>Thin Solid Films</i> , <b>2008</b> , 516, 5206-5209	2.2	7



172	New organic/inorganic crystalline electrolytes synthesized from 12-phosphotungstic acid and the ionic liquid [BMIM][TFSI]. <i>Electrochimica Acta</i> , <b>2008</b> , 53, 7638-7643	6.7	14
171	Preparation and characterization of novel microporous carbon nitride with very high surface area via nanocasting technique. <i>Microporous and Mesoporous Materials</i> , <b>2008</b> , 108, 340-344	5.3	39
170	Fabrication of partially graphitic three-dimensional nitrogen-doped mesoporous carbon using polyaniline nanocomposite through nanotemplating method. <i>Microporous and Mesoporous Materials</i> , <b>2008</b> , 109, 398-404	5.3	96
169	Fabrication and morphological control of three-dimensional cage type mesoporous titanasilicate with extremely high Ti content. <i>Microporous and Mesoporous Materials</i> , <b>2008</b> , 110, 422-430	5.3	13
168	Influence of Pt and CeO <sub>2</sub> interaction in Pt-CeO <sub>2</sub> electrode on anode and cathode performance for fuel cell applications. <i>Transactions of the Materials Research Society of Japan</i> , <b>2008</b> , 33, 1101-1104	0.2	11
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163	Alkylation of naphthalene using propylene over mesoporous Al-MCM-48 catalysts. <i>Catalysis Communications</i> , <b>2007</b> , 8, 1681-1683	3.2	21
162	Three-Dimensional Cage Type Mesoporous CN-Based Hybrid Material with Very High Surface Area and Pore Volume. <i>Chemistry of Materials</i> , <b>2007</b> , 19, 4367-4372	9.6	114
161	Carboxy-mesoporous carbon and its excellent adsorption capability for proteins. <i>Journal of Materials Chemistry</i> , <b>2007</b> , 17, 1819		171
160	One-pot separation of tea components through selective adsorption on pore-engineered nanocarbon, carbon nanocage. <i>Journal of the American Chemical Society</i> , <b>2007</b> , 129, 11022-3	16.4	130
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154	Photocatalytic activity of La-doped ZnO for the degradation of monocrotophos in aqueous suspension. <i>Journal of Molecular Catalysis A</i> , <b>2007</b> , 266, 149-157		274
153	Silicotungstic acid/zirconia immobilized on SBA-15 for esterifications. <i>Journal of Molecular Catalysis A</i> , <b>2007</b> , 271, 46-56		32
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149	SrTiO <sub>3</sub> Thin Films with Visible-Light Band Gap Fabricated by Nitrogen Reactive Sputtering. <i>Japanese Journal of Applied Physics</i> , <b>2007</b> , 46, L468-L470	1.4	5
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147	Novel microporous carbon material with flower like structure templated by MCM-22. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2007</b> , 7, 2913-6	1.3	6
146	Carboxyl group functionalization of mesoporous carbon nanocage through reaction with ammonium persulfate. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2007</b> , 7, 3250-6	1.3	16
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142	Evidence of Intragranular Segregation of Dopant Cations in Heavily Yttrium-Doped Ceria. <i>Electrochemical and Solid-State Letters</i> , <b>2007</b> , 10, P1		29
141	Mesoporous Nitrides through Nano-Hard Templating Techniques. <i>Solid State Phenomena</i> , <b>2007</b> , 119, 291-294	0.4	1
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137	Synthesis and microstructural characterization of Ce <sub>1-x</sub> Tb <sub>x</sub> O <sub>2-δ</sub> (0 < x < 1). <i>Journal of Nanoscience and Nanotechnology</i> , <b>2007</b> , 7, 2521-5	1.3	5

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127	Preparation and anode property of Pt-CeO <sub>2</sub> electrodes supported on carbon black for direct methanol fuel cell applications. <i>Journal of Materials Research</i> , <b>2006</b> , 21, 2314-2322	2.5	23
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35	KGa-priderite and related compound for the selective reduction of nitrogen monoxide with propylene. <i>Journal of Materials Science</i> , <b>1996</b> , 31, 1469-1473	4.3	7
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