Nobuhito Imanaka

List of Publications by Year in Descending Order

285 papers	5,745 citations	34 h-index	64 g-index
301 ext. papers	6,316 ext. citations	5 avg, IF	5.7 L-index

#	Paper	IF	Citations
285	Phosphors of Rb3La1−xTbxSi2O7 with K3NdSi2O7-type structure. *Journal of the Ceramic Society of Japan*, **2022**, 130, 44-48	1	
284	Production of Hydroxypyruvic Acid by Glycerol Oxidation over Pt/CeO2-ZrO2-Bi2O3-PbO/SBA-16 Catalysts. *Catalysts*, **2022**, 12, 69	4	
283	Evidence for enormous iodide anion migration in lanthanum oxyiodide-based solid. *Science Advances*, **2021**, 7, eabh0812	14.3	1
282	Low-temperature Operable Catalytic Combustion-type CO Gas Sensors. *Bunseki Kagaku*, **2021**, 70, 327-334	0.2	
281	Improvement of bromide ion conduction in a lanthanum oxybromide-based solid by adjusting the electronegativity of the cation dopant. *Materials Letters*, **2021**, 286, 129211	3.3	2
280	Ionic conduction mechanism in Ca-doped lanthanum oxychloride. *Dalton Transactions*, **2021**, 50, 151-156	4.3	5
279	Enhanced ionic conductivity of aluminum tungstate by crystallographic orientation in a strong magnetic field. *Journal of the American Ceramic Society*, **2021**, 104, 6364	3.8	1
278	Particle size effect of ZrO2 supports on catalytic liquid-phase oxidation of phenol over Pt/CeO2-ZrO2-Bi2O3/ZrO2 catalysts. *Journal of Asian Ceramic Societies*, **2020**, 8, 745-752	2.4	3
277	Effective p-cresol removal through catalytic liquid-phase oxidation under moderate conditions using Pt/CeO2-ZrO2-SnO2/SBA-16 as a catalyst. *Journal of Asian Ceramic Societies*, **2020**, 8, 116-122	2.4	4
276	Crystal phase control and ionic conductivity of magnesium ion-doped lanthanum oxyfluoride. *Journal of the Ceramic Society of Japan*, **2020**, 128, 863-865	1	0
275	Direct N2O decomposition over Yb2O3-CuO catalysts with C-type cubic structure. *Functional Materials Letters*, **2020**, 13, 2050040	1.2	0
274	Novel Environment-Friendly Blue Pigments Based on Ba(TiO)Cu4(PO4)4 . *Journal of the Japan Society of Colour Material*, **2020**, 93, 214-218	0	
273	Complete phenol removal in liquid-phase under moderate condition over Pt/CeO2-ZrO2-SnO2/ZrO2/SBA-16 catalysts. *Functional Materials Letters*, **2020**, 13, 2050030	1.2	1
272	Glyceraldehyde production from glycerol over Pt/CeO2-ZrO2-Fe2O3/SBA-16 catalysts around room temperature in open air system. *Materials Letters*, **2020**, 278, 128392	3.3	8
271	Noble-metal-free catalysts based on apatite-type lanthanum silicate for complete toluene combustion. *Functional Materials Letters*, **2020**, 13, 2050035	1.2	3
270	Enhancement of bromide ion conductivity in lanthanum oxybromide based solids by doping divalent zinc ion with high electronegativity. *Journal of Asian Ceramic Societies*, **2020**, 8, 925-929	2.4	3
269	Novel catalysts based on lanthanum oxyfluoride for toluene combustion. *Materials Letters*, **2020**, 258, 126802	3.3	3

268	Structural environment of chloride ion-conducting solids based on lanthanum oxychloride. *Journal of the American Ceramic Society*, **2020**, 103, 297-303	3.8	7
267	Selective oxidation of glycerol to dihydroxyacetone using CeO2-ZrO2-Bi2O3-SnO2-supported platinum catalysts. *Journal of Asian Ceramic Societies*, **2020**, 8, 470-475	2.4	2
266	Photocatalytic hydrogen evolution from water over hafnium oxyphosphate. *Journal of the Ceramic Society of Japan*, **2019**, 127, 700-702	1	2
265	Synthesis and characterization of divalent ion conductors with NASICON-type structures. *Journal of Asian Ceramic Societies*, **2019**, 7, 221-227	2.4	5
264	Direct Decomposition of N2O over C-Type Cubic Yb2O3-Co3O4 Catalysts. *Bulletin of the Chemical Society of Japan*, **2019**, 92, 1148-1153	5.1	4
263	Catalytic toluene combustion over Pt loaded on lanthanum silicate with apatite-type structure. *Functional Materials Letters*, **2019**, 12, 1950074	1.2	5
262	Novel Environmentally-Friendly Inorganic Pigments Based on Oxide. *Journal of the Japan Society of Colour Material*, **2019**, 92, 64-68	0	
261	Effect of oxygen vacancies on direct N2O decomposition over ZrO2-Y2O3 catalysts. *Journal of Asian Ceramic Societies*, **2019**, 7, 518-523	2.4	5
260	Divalent Ni2+ cation conduction in NASICON-type solid. *Materials Letters*, **2019**, 234, 261-263	3.3	4
259	Complete Oxidation of Formaldehyde over a Pt/CeO2-ZrO2-Bi2O3/SBA-16 Catalyst at Room Temperature. *Chemistry Letters*, **2018**, 47, 715-718	1.7	1
258	Exact identification of migrating ion species in scandium tungstate solid electrolyte. *Journal of the American Ceramic Society*, **2018**, 101, 1025-1028	3.8	4
257	Novel Photocatalyst Based on Metastable ZrSnO4 Solid for Hydrogen and Oxygen Evolution. *Chemistry Letters*, **2018**, 47, 723-725	1.7	0
256	Direct Decomposition of Nitrous Oxide Using Yb2O3-Pr6O11 with C-type Cubic Structure. *Chemistry Letters*, **2018**, 47, 996-999	1.7	5
255	Relationship between the Conductivities of CeO2-ZrO2-MOx (M = Bi, Ca, Sn, Ni, Fe) Solid Solutions and Catalytic Activities during Methane Oxidation. *Bulletin of the Chemical Society of Japan*, **2018**, 91, 158-164	5.1	10
254	Catalytic Liquid-Phase Oxidation of Phenolic Compounds Using Ceria-Zirconia Based Catalysts. *Frontiers in Chemistry*, **2018**, 6, 553	5	2
253	Efficient production of dihydroxyacetone from glycerol over a Pt/CeO2-ZrO2-Bi2O3/SBA-16 catalyst. *Journal of Asian Ceramic Societies*, **2018**, 6, 368-373	2.4	10
252	Novel Br⁻ ion conducting solid electrolyte based on LaOBr. *Journal of the Ceramic Society of Japan*, **2018**, 126, 761-765	1	2
251	Sensitivity enhancement of catalytic combustion-type CO gas sensor using an artificial diamond with Pt-loaded CeO2–ZrO2–ZnO based catalyst. *Journal of the Ceramic Society of Japan*, **2018**, 126, 750-754	1	5

250	Novel environment-friendly yellow pigments based on praseodymium(III) tungstate. *Ceramics International*, **2017**, 43, 7366-7368	5.1	18
249	Catalytic Liquid-phase Oxidation of Bisphenol-A under Moderate Condition Using CeO2ZrO2Bi2O3 Supported on SBA-16. *Chemistry Letters*, **2017**, 46, 257-259	1.7	2
248	Effect of introducing Fe2O3 into CeO2ZrO2 on oxygen release properties and catalytic methane combustion over PdO/CeO2ZrO2Fe2O3/Al2O3 catalysts. *Catalysis Science and Technology*, **2017**, 7, 1986-1990	5.5	16
247	High catalytic efficiency in liquid-phase oxidation of 1,4-dioxane using a Pt/CeO2-ZrO2-SnO2/SBA-16 catalyst. *International Journal of Applied Ceramic Technology*, **2017**, 14, 9-15	2	6
246	Novel Catalysts for Methane Combustion Based on Cobalt-Doped Lanthanum Silicates Having an Apatite-type Structure. *ACS Applied Materials & Interfaces*, **2017**, 9, 40344-40350	9.5	9
245	Crystal structure and photoluminescent property of Eu3+-doped K3GdSi2O7. *Journal of Asian Ceramic Societies*, **2017**, 5, 377-380	2.4	3
244	Catalytic methane combustion over novel catalyst based on oxide-ion-conducting lanthanum silicate. *Journal of the Ceramic Society of Japan*, **2017**, 125, 773-775	1	4
243	New Calcium Ion Conducting Solid Electrolyte with NASICON-type Structure. *Chemistry Letters*, **2017**, 46, 1486-1489	1.7	9
242	Liquid-phase oxidation of phenol in facile condition using Pt/CeO2ZrO2SnO2 catalyst supported on mesoporous silica SBA-16. *Journal of Environmental Chemical Engineering*, **2017**, 5, 3999-4003	6.8	9
241	Introduction of NiO in Pt/CeO2-ZrO2/Al2O3 catalysts for removing toluene in indoor air. *Materials Letters*, **2017**, 208, 43-45	3.3	8
240	High methane combustion activity of PdO/CeO2ZrO2NiO/Al2O3 catalystsPeer review under responsibility of The Ceramic Society of Japan and the Korean Ceramic Society.View all notes. *Journal of Asian Ceramic Societies*, **2016**, 4, 259-262	2.4	13
239	Red emitting phosphors based on titanite with high thermal stabilityPeer review under responsibility of The Ceramic Society of Japan and the Korean Ceramic Society.View all notes. *Journal of Asian Ceramic Societies*, **2016**, 4, 133-137	2.4	2
238	Novel environmentally friendly inorganic yellow pigments based on gehlenite-type structure. *Ceramics International*, **2016**, 42, 15104-15106	5.1	18
237	Highly conducting divalent Mg2+ cation solid electrolytes with well-ordered three-dimensional network structure. *Journal of Solid State Chemistry*, **2016**, 235, 7-11	3.3	25
236	A Catalytic Combustion-type Carbon Monoxide Gas Sensor Incorporating an Apatite-type Oxide. *ISIJ International*, **2016**, 56, 1634-1637	1.7	4
235	Trivalent gallium ion conduction in NASICON-type solidPeer review under responsibility of The Ceramic Society of Japan and the Korean Ceramic Society.View all notes. *Journal of Asian Ceramic Societies*, **2016**, 4, 390-393	2.4	1
234	Catalytic liquid phase oxidation of 1,4-dioxane over a Pt/CeO2-ZrO2-Bi2O3/SBA-16 catalyst. *Journal of Advanced Ceramics*, **2015**, 4, 71-75	10.7	10
233	Novel environmentally friendly inorganic red pigments based on calcium bismuth oxides. *Journal of Advanced Ceramics*, **2015**, 4, 39-45	10.7	17

232	Catalytic liquid-phase oxidation of acetaldehyde to acetic acid over a Pt/CeO2-ZrO2-SnO2/□alumina catalyst. *Journal of Environmental Sciences*, **2015**, 36, 63-6	6.4	4
231	Carbon Oxides. *Nanostructure Science and Technology*, **2015**, 1111-1133	0.9	
230	Selective liquid phase oxidation of cyclohexane over Pt/CeO2-ZrO2-SnO2/SiO2 catalysts with molecular oxygen. *Journal of Advanced Ceramics*, **2015**, 4, 111-117	10.7	10
229	Direct NO decomposition over C-type cubic Y2O3□Pr6O11□Eu2O3 solid solutions. *Catalysis Today*, **2015**, 242, 338-342	5.3	13
228	Novel environment-friendly green pigments based on rare earth cuprate. *Dyes and Pigments*, **2015**, 113, 336-340	4.6	7
227	Novel Environment-friendly Green Pigments for Over-glazed Decoration of Arita Ware. *Journal of the Japan Society of Colour Material*, **2015**, 88, 203-207	0	1
226	Low-temperature-operative Hydrogen Gas Sensor Employing 10 wt % Pt/Ce0.68Zr0.17Sn0.15O2.0 Catalyst. *Chemistry Letters*, **2015**, 44, 437-439	1.7	
225	Improvement of Toluene Oxidation Catalysis by Cu Doping into Co3O4 in Pt/Co3O4/CeO2□rO2□SnO2/□Al2O3 Catalysts. *Bulletin of the Chemical Society of Japan*, **2015**, 88, 746-751	5.1	1
224	Fundamental Aspects of Rare Earth Oxides Affecting Direct NO Decomposition Catalysis. *European Journal of Inorganic Chemistry*, **2015**, 2015, 1524-1528	2.3	15
223	A New Catalytic Combustion-type Carbon Monoxide Gas Sensor Employing Precious Metal-free CO Oxidizing Catalyst. *ISIJ International*, **2015**, 55, 1699-1701	1.7	6
222	Novel environment friendly inorganic red pigments based on Bi4V2O11. *RSC Advances*, **2015**, 5, 44886-44894	3.7	18
221	Complete oxidation of toluene on refractory La1□CaxCoO3□/2/CeO2□rO2□nO catalysts. *Catalysis Science and Technology*, **2014**, 4, 321-324	5.5	8
220	Direct decomposition of nitrogen monoxide over C-type cubic Y2O3□Pr6O11 solid solutions. *RSC Advances*, **2014**, 4, 1146-1149	3.7	7
219	Novel environment-friendly inorganic red pigments based on (Bi, Er, Y, Fe)2O3 solid solutionsPeer review under responsibility of The Ceramic Society of Japan and the Korean Ceramic Society.View all notes. *Journal of Asian Ceramic Societies*, **2014**, 2, 195-198	2.4	14
218	Effect of the introduction of oxide ion vacancies into cubic fluorite-type rare earth oxides on the NO decomposition catalysis. *Journal of Solid State Chemistry*, **2014**, 220, 181-184	3.3	4
217	Enhanced luminescent properties of Ca3□b ZrSi2O9+/2 phosphors by Al3+ doping into the Zr4+ site in the host lattice. *Journal of Luminescence*, **2014**, 148, 198-201	3.8	9
216	Direct decomposition of nitrogen monoxide on (Ho, Zr, Pr)2O3+ Catalysts. *Catalysis Communications*, **2014**, 43, 84-87	3.2	9
215	Divalent Sr2+ Cation Conducting Solid Electrolyte with NASICON-type Structure. *Electrochemistry*, **2014**, 82, 830-832	1.2	

214	Catalytic combustion-type CO sensor applying Pt loaded CeO2ZrO2ZnO solid solution. *Journal of the Ceramic Society of Japan*, **2014**, 122, 601-603	1	4
213	Influence of Al3+Doping into the Zr4+Site on the Photoluminescence Properties of Ca3-xEuxZrSi2O9+x/2Phosphors. *ECS Journal of Solid State Science and Technology*, **2014**, 3, R79-R82	2	7
212	Effects of Tb and Ba introduction on the reaction mechanism of direct NO decomposition over C-type cubic rare earth oxides based on Y2O3. *Catalysis Science and Technology*, **2013**, 3, 1928	5.5	17
211	Complete oxidation of toluene on Co3O4/CeO2ZrO2SnO2 catalystsPeer review under responsibility of The Ceramic Society of Japan and the Korean Ceramic Society.View all notes. *Journal of Asian Ceramic Societies*, **2013**, 1, 243-247	2.4	4
210	The First Combined Experimental and Theoretical Evaluation of Tetravalent Cation Conduction in a Solid. *European Journal of Inorganic Chemistry*, **2013**, 2013, 4300-4304	2.3	1
209	Sulfur dioxide gas sensor based on Zr4+ and O2ion conducting solid electrolytes with lanthanum oxysulfate as an auxiliary sensing electrode. *Sensors and Actuators B: Chemical*, **2013**, 177, 529-534	8.5	14
208	Combustion of toluene catalyzed by Pt/Co3O4/CeO2-ZrO2-SnO2/r-Al2O3. *Journal of Materials Science Research*, **2013**, 2,	1	1
207	Synthesis of green-emitting (Gd, La, Tb)2O(WO4)2 phosphors. *Optical Materials*, **2013**, 35, 2128-2131	3.3	4
206	Novel and environmentally friendly (Bi,Ca,Zn)VO4 yellow pigments. *Dyes and Pigments*, **2013**, 99, 636-641	4.6	58
205	Novel environmentally friendly (Bi, Ca, Zn, La)VO4 inorganic yellow pigments. *RSC Advances*, **2013**, 3, 24941	3.7	26
204	Synthesis of Red-Emitting Ca3-xEuxZrSi2O9 Phosphors. *ECS Solid State Letters*, **2013**, 2, R34-R36		8
203	Complete Toluene Oxidation on Pt/CeO2-ZrO2-ZnO Catalysts. *Catalysts*, **2013**, 3, 646-655	4	5
202	Novel Environmentally Friendly Inorganic Blue Pigments Based on Amorphous Tungsten Oxyphosphate. *Chemistry Letters*, **2013**, 42, 906-908	1.7	1
201	Sulfur Dioxide Gas Sensor Based on Tetravalent Zr4+-conducting Solid Electrolyte. *Chemistry Letters*, **2013**, 42, 28-30	1.7	0
200	Novel Environmentally Friendly Inorganic Yellow Pigments Based on CeO2SiO2Al2O3Bi2O3. *Bulletin of the Chemical Society of Japan*, **2013**, 86, 283-288	5.1	2
199	Low-temperature-operative Carbon Monoxide Gas Sensor with Novel CO Oxidizing Catalyst. *Chemistry Letters*, **2013**, 42, 441-443	1.7	14
198	Novel Environmentally Friendly Inorganic Blue Pigments Based on Calcium Scandium Silicate Garnet. *Chemistry Letters*, **2013**, 42, 1562-1564	1.7	6
197	Development of Ammonia Gas Sensors Based on Trivalent Al3+ Cation Conducting Solid Electrolyte. *Bulletin of the Chemical Society of Japan*, **2012**, 85, 634-641	5.1	1

196	Low-Temperature Complete Combustion of Volatile Organic Compounds over Novel Pt/CeO2ZrO2SnO2/Al2O3 Catalysts. *Bulletin of the Chemical Society of Japan*, **2012**, 85, 522-526	5.1	27
195	Environmentally Friendly Inorganic Red Pigments Based on Bismuth Oxide. *Chemistry Letters*, **2012**, 41, 1616-1618	1.7	7
194	Advances in direct NOx decomposition catalysts. *Applied Catalysis A: General*, **2012**, 431-432, 1-8	5.1	92
193	Green-emitting (La,M,Tb)OCl (M=Mg, Ca, and Sr) phosphors. *Optical Materials*, **2012**, 35, 280-284	3.3	12
192	Tetravalent Sn4+ Ion Conductor Based on NASICON-Type Phosphate. *ECS Electrochemistry Letters*, **2012**, 1, A66-A69		4
191	Enhancement of Photoluminescence in (Gd,Eu)2O(WO4)2Phosphors by Lanthanum Doping into the Host Gd2O(WO4)2Lattice. *ECS Journal of Solid State Science and Technology*, **2012**, 1, R41-R45	2	6
190	Highly Tetravalent Hafnium Ion Conducting Solids with a NASICON-Type Structure. *Electrochemistry* , **2012**, 80, 743-745	1.2	2
189	Moderate-temperature operable SO₂ gas sensor based on Zr⁴⁺ ion conducting solid electrolyte. *Journal of Sensors and Sensor Systems*, **2012**, 1, 29-32	1.6	1
188	??????????????????????????????????. *Electrochemistry*, **2011**, 79, 902-906	1.2	
187	Development of Multivalent Ion Conducting Solid Electrolytes. *Bulletin of the Chemical Society of Japan*, **2011**, 84, 353-362	5.1	19
186	Direct Decomposition of NO into N2and O2on C-type Cubic Y2O3ZrO2and Y2O3ZrO2BaO. *Bulletin of the Chemical Society of Japan*, **2011**, 84, 807-811	5.1	12
185	Synthesis of Red-emitting (Gd, Ca, Eu)2W2O9Phosphors. *Chemistry Letters*, **2011**, 40, 498-500	1.7	6
184	Coexisting Gas-resistant C-type Cubic Yb2O3Tb4O7Catalysts for Direct NO Decomposition. *Chemistry Letters*, **2011**, 40, 708-710	1.7	12
183	Environmental Catalysts for Complete Oxidation of Volatile Organic Compounds and Methane. *Chemistry Letters*, **2011**, 40, 780-785	1.7	19
182	A New Type of Cesium-ion-conducting Solid. *Chemistry Letters*, **2011**, 40, 118-120	1.7	1
181	Highly Water Durable NH3 Gas Sensor Based on Al3+ Ion Conducting Solid Electrolyte with NH4+-Gallate. *Electrochemistry*, **2011**, 79, 450-452	1.2	2
180	Catalytic combustion of methane over Pt and PdO-supported CeO2ZrO2Bi2O3/Al2O3 catalysts. *Journal of Materials Science*, **2011**, 46, 4046-4052	4.3	23
179	Carbon monoxide oxidation at room temperature on Pt/CeO2-ZrO2-Bi2O3 catalysts. *Chemical Communications*, **2011**, 47, 11032-4	5.8	33

178	New bismuth ion conducting solid electrolyte. *Solid State Ionics*, **2011**, 192, 134-136	3.3	5
177	SUPPORT EFFECT ON THE COMPLETE OXIDATION OF ETHYL ACETATE OVER Pt CATALYSTS. *Functional Materials Letters*, **2011**, 04, 411-414	1.2	3
176	Recent Advance in Environmental-Friendly Oxide Pigments. *Journal of the Japan Society of Colour Material*, **2011**, 84, 439-443	0	1
175	Enhancement in Photoluminescence of Gd[sub 2]O[sub 2]CO[sub 3]:Tb[sup 3+] Submicron Particles by Introducing Yttrium into the Oxycarbonate Lattice. *Journal of the Electrochemical Society*, **2010**, 157, J181	3.9	21
174	Synthesis of Green-Emitting (La,Gd)OBr:Tb3+ Phosphors. *Materials*, **2010**, 3, 2506-2515	3.5	15
173	Solid Electrolyte Type NH3 Gas Sensor Applicable in a Humid Atmosphere. *Electrochemistry*, **2010**, 78, 126-128	1.2	9
172	Direct Decomposition of NO on C-type Cubic Rare Earth Oxides Based on Y2O3. *Chemistry Letters*, **2010**, 39, 456-457	1.7	18
171	Enhancement of Hf4+Ion Conductivity in a NASICON-Type Solid. *Bulletin of the Chemical Society of Japan*, **2010**, 83, 415-418	5.1	8
170	A New Type of Red-emitting (La,Ca)OCl:Eu3+ Phosphors. *Chemistry Letters*, **2010**, 39, 604-606	1.7	5
169	The development of novel trivalent ion conducting solids and their application for gas sensors. *Journal of Electroceramics*, **2010**, 24, 331-344	1.5	2
168	Complete oxidation of acetaldehyde on Pt/CeO2ZrO2Bi2O3 catalysts. *Materials Research Bulletin* , **2010**, 45, 1278-1282	5.1	14
167	Total oxidation of toluene on Pt/CeO2-ZrO2-Bi2O3/gamma-Al2O3 catalysts prepared in the presence of polyvinyl pyrrolidone. *Journal of Hazardous Materials*, **2010**, 176, 1106-9	12.8	86
166	Solid electrolyte type ammonia gas sensor based on trivalent aluminum ion conducting solids. *Sensors and Actuators B: Chemical*, **2010**, 147, 735-740	8.5	28
165	Highly Zr[sup 4+] Ion-Conducting Solid Electrolytes. *Electrochemical and Solid-State Letters*, **2009**, 12, F5		5
164	Advanced materials for environmental catalysts. *Chemical Record*, **2009**, 9, 40-50	6.6	28
163	First Discovery of Tetravalent Ti4+ Ion Conduction in a Solid. *Chemistry of Materials*, **2009**, 21, 579-581	9.6	8
162	Novel catalysts for low-temperature combustion of diesel particulate matter. *Journal of Materials Chemistry*, **2009**, 19, 208-210		6
161	Synthesis of Red-emitting Phosphors Based on Gadolinium Oxysulfate by a Flux Method. *Electrochemistry*, **2009**, 77, 611-613	1.2	15

160	Synthesis of New Green-emitting Phosphors Based on Zirconium Oxide Phosphate. *Chemistry Letters*, **2009**, 38, 1100-1101	1.7	8
159	A Discovery of Tetravalent Ge4+Ion Conduction in Solids. *Chemistry Letters*, **2009**, 38, 658-659	1.7	4
158	Electrochemical single crystal growth of Tb11O20. *Journal of Alloys and Compounds*, **2008**, 451, 644-647	5.7	2
157	New environment-friendly yellow pigments based on CeO2□rO2 solid solutions. *Journal of Alloys and Compounds*, **2008**, 451, 640-643	5.7	27
156	Enhancement of the luminescent intensity of the green emitting Gd2O2CO3:Tb phosphor. *Journal of Alloys and Compounds*, **2008**, 451, 132-135	5.7	28
155	Direct decomposition of nitric oxide into nitrogen and oxygen over C-type cubic Y2O3□rO2 solid solutions. *Journal of Alloys and Compounds*, **2008**, 451, 406-409	5.7	28
154	Electrochemical Single-Crystal Growth of Nonstoichiometric Terbium Oxide. *Crystal Growth and Design*, **2008**, 8, 1035-1038	3.5	2
153	Novel Nontoxic and Environment-friendly Inorganic Yellow Pigments. *Chemistry Letters*, **2008**, 37, 104-105	1.7	20
152	High-Trivalent Rare Earth Ion Conduction in Solids Based on NASICON-Type Phosphate. *Bulletin of the Chemical Society of Japan*, **2008**, 81, 521-524	5.1	5
151	Complete Oxidation of Ethylene at Temperatures below 100 □C over a Pt/Ce0.64Zr0.16Bi0.20O1.90/□Al2O3Catalyst. *Chemistry Letters*, **2008**, 37, 42-43	1.7	13
150	Nitrogen oxides gas sensor based on Al3+ ion conducting solid electrolyte. *Sensors and Actuators B: Chemical*, **2008**, 130, 46-51	8.5	7
149	An extraordinarily high Ba2+ conducting solid. *Journal of Materials Chemistry*, **2007**, 17, 4230		2
148	Extraordinarily high Zr4+ ion conducting solid. *Journal of the American Chemical Society*, **2007**, 129, 5338-9	16.4	11
147	Low-Temperature Redox Activity of Ce0.64Zr0.16Bi0.20O1.90/□Al2O3 and Ag/Ce0.64Zr0.16Bi0.20O1.90/□Al2O3 Catalysts. *Journal of Physical Chemistry C*, **2007**, 111, 13892-13897	3.8	18
146	Significant Low-Temperature Redox Activity of Ce0.64Zr0.16Bi0.20O1.90 Supported on □Al2O3. *Advanced Materials*, **2007**, 19, 1608-1611	24	36
145	Direct Decomposition of Nitric Oxide over C-Type Cubic (Gd1□□YxBay)2O3□ Solid Solutions. *Advanced Materials*, **2007**, 19, 3660-3663	24	47
144	Enhancement of lithium ion conduction in the cubic rare earth oxide. *Electrochemistry Communications*, **2007**, 9, 245-248	5.1	3
143	Potassium ion conductivity of KNO2 mixed oxides. *Journal of Alloys and Compounds*, **2006**, 408-412, 657-660	5.7	

142	Ionic conducting properties in LaOCl□LaOBr solid solutions. *Journal of Alloys and Compounds*, **2006**, 408-412, 653-656	5.7	3
141	New sunscreen materials based on amorphous cerium and titanium phosphate. *Journal of Alloys and Compounds*, **2006**, 408-412, 1141-1144	5.7	19
140	Redox behavior of CeO2□ZrO2□Bi2O3 and CeO2□ZrO2□Y2O3 solid solutions at moderate temperatures. *Journal of Alloys and Compounds*, **2006**, 408-412, 1132-1135	5.7	36
139	Synthesis of a new phosphor based on rare earth oxycarbonate. *Journal of Alloys and Compounds*, **2006**, 408-412, 867-870	5.7	28
138	Synthesis of a new NASICON-type blue luminescent material. *Journal of Alloys and Compounds*, **2006**, 418, 73-76	5.7	36
137	Electrochemical single crystal growth of Tb24O44 microparticles. *Journal of Alloys and Compounds*, **2006**, 418, 101-105	5.7	5
136	Synthesis of new environment-friendly yellow pigments. *Journal of Alloys and Compounds*, **2006**, 418, 255-258	5.7	45
135	Synthesis of new green emitting phosphors based on rare earth oxycarbonates. *Journal of Alloys and Compounds*, **2006**, 418, 230-233	5.7	27
134	New type of potassium ion conducting solid based on lanthanum oxysulfate. *Journal of Alloys and Compounds*, **2006**, 418, 226-229	5.7	7
133	Synthesis of new red emitting phosphors based on rare earth oxycarbonates. *Journal of Alloys and Compounds*, **2006**, 418, 243-246	5.7	23
132	Synthesis and Characterization of CeO2□ZrO2□Bi2O3Solid Solutions for Environment-friendly Yellow Pigments. *Chemistry Letters*, **2006**, 35, 1032-1033	1.7	21
131	A Smart Carbon Dioxide Gas Sensor Based on Solid Electrolytes. *Electrochemistry*, **2006**, 74, 118-120	1.2	5
130	Synthesis and characterization of new promoters based on CeO2□ZrO2□Bi2O3 for automotive exhaust catalysts. *Catalysis Today*, **2006**, 117, 187-192	5.3	39
129	Li+ ion conducting properties in (Gd,La)2O3□LiNO3□KNO3 solid. *Solid State Ionics*, **2006**, 177, 2727-2730	3.3	2
128	Development of New Environment-friendly Nano Pigment Particles. *Hosokawa Powder Technology Foundation ANNUAL REPORT*, **2006**, 14, 174-174	0	
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