

# Minoru Mizuhata

## List of Publications by Citations

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197  
ext. papers

3,629  
ext. citations

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L-index

#	Paper	IF	Citations
172	Water Uptake of Perfluorosulfonic Acid Membranes from Liquid Water and Water Vapor. <i>Journal of the Electrochemical Society</i> , <b>1994</b> , 141, 1493-1498	3.9	396
171	Bending of Polyelectrolyte Membrane/Platinum Composites by Electric Stimuli I. Response Characteristics to Various Waveforms. <i>Polymer Journal</i> , <b>1995</b> , 27, 436-440	2.7	220
170	Preparation and characterization of polymer thin films containing silver and silver sulfide nanoparticles. <i>Thin Solid Films</i> , <b>2000</b> , 359, 55-60	2.2	144
169	Strong Ultra-Broadband Near-Infrared Photoluminescence from Bismuth-Embedded Zeolites and Their Derivatives. <i>Advanced Materials</i> , <b>2009</b> , 21, 3694-3698	24	96
168	Preparation and characterization of iron oxyhydroxide and iron oxide thin films by liquid-phase deposition. <i>Journal of Materials Chemistry</i> , <b>1997</b> , 7, 1769-1772		85
167	Preparation and characterization of Au-dispersed TiO <sub>2</sub> thin films by a liquid-phase deposition method. <i>Journal of Materials Chemistry</i> , <b>1996</b> , 6, 1879		80
166	Preparation and characterization of copper(II) oxide nanoparticles dispersed in a polymer matrix. <i>Journal of Materials Chemistry</i> , <b>1998</b> , 8, 1865-1868		78
165	Versatile supramolecular gelators that can harden water, organic solvents and ionic liquids. <i>Langmuir</i> , <b>2012</b> , 28, 9259-66	4	73
164	Protein-templated organic/inorganic hybrid materials prepared by liquid-phase deposition. <i>Journal of the American Chemical Society</i> , <b>2007</b> , 129, 10906-10	16.4	70
163	Monitoring the growth of titanium oxide thin films by the liquid-phase deposition method with a quartz crystal microbalance. <i>Journal of Materials Chemistry</i> , <b>1997</b> , 7, 733-736		66
162	Studies on PVDF-based gel polymer electrolytes. <i>Journal of Power Sources</i> , <b>2000</b> , 88, 269-273	8.9	61
161	Liquid-Phase Infiltration (LPI) Process for the Fabrication of Highly Nano-Ordered Materials. <i>Chemistry of Materials</i> , <b>2004</b> , 16, 1747-1750	9.6	54
160	Supramolecular gelators based on benzenetricarboxamides for ionic liquids. <i>Soft Matter</i> , <b>2014</b> , 10, 965-736	3.6	47
159	Growth of metal oxide thin films from aqueous solution by liquid phase deposition method. <i>Solid State Ionics</i> , <b>2002</b> , 151, 1-9	3.3	47
158	Electrochemical properties of nickel/aluminum layered double hydroxide/carbon composite fabricated by liquid phase deposition. <i>Journal of Power Sources</i> , <b>2010</b> , 195, 7669-7676	8.9	44
157	Synthesis and characterization of nano-sized gold-palladium bimetallic particles dispersed in polymer thin film matrix. <i>Scripta Materialia</i> , <b>1999</b> , 11, 59-65		40
156	Ionic Equilibria for Synthesis of TiO <sub>2</sub> Thin Films by the Liquid-Phase Deposition. <i>Journal of Physical Chemistry C</i> , <b>2014</b> , 118, 11964-11974	3.8	39

155	Ni(OH) <sub>2</sub> thin films fabricated by liquid phase deposition method. <i>Thin Solid Films</i> , <b>2009</b> , 517, 1546-1554	2.2	39
154	Preparation and characterization of alkyl sulfate and alkylbenzene sulfonate surfactants/TiO <sub>2</sub> hybrid thin films by the liquid phase deposition (LPD) method. <i>Applied Surface Science</i> , <b>2005</b> , 239, 292-307	6.7	35
153	Durability of nickel metal hydride (NiMH) battery cathode using nickel aluminum layered double hydroxide/carbon (NiAl LDH/C) composite. <i>Journal of Power Sources</i> , <b>2014</b> , 247, 572-578	8.9	34
152	Liquid phase deposition synthesis of hexagonal molybdenum trioxide thin films. <i>Journal of Solid State Chemistry</i> , <b>2009</b> , 182, 2362-2367	3.3	34
151	Electrochemical study on co-doped ceria-carbonate composite electrolyte. <i>Journal of Power Sources</i> , <b>2012</b> , 201, 121-127	8.9	33
150	Physicochemical Properties of Molten Alkali Metal Carbonates Coexisting with Inorganic Powder. <i>Journal of the Electrochemical Society</i> , <b>2004</b> , 151, E179	3.9	33
149	Catalytic activity of platinum after exchange with surface active functional groups of carbon blacks. <i>Journal of the Chemical Society, Faraday Transactions</i> , <b>1995</b> , 91, 4451		33
148	Superbroadband near-IR nano-optical source based on bismuth-doped high-silica nanocrystalline zeolites. <i>Optics Letters</i> , <b>2009</b> , 34, 1219-21	3	32
147	Fabrication of nano-structured materials from aqueous solution by liquid phase deposition. <i>Journal of Electroanalytical Chemistry</i> , <b>2005</b> , 584, 38-43	4.1	32
146	Destabilized Passivation Layer on Magnesium-Based Intermetallics as Potential Anode Active Materials for Magnesium Ion Batteries. <i>Frontiers in Chemistry</i> , <b>2019</b> , 7, 7	5	31
145	Influence of polarity of polymer on inorganic particle dispersion in dielectric particle/polymer composite systems. <i>Journal of Applied Polymer Science</i> , <b>1995</b> , 56, 1313-1321	2.9	30
144	Highly Conductive Ionic-Liquid Gels Prepared with Orthogonal Double Networks of a Low-Molecular-Weight Gelator and Cross-Linked Polymer. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 23346-52	9.5	29
143	Effects of the composition on the properties of nickel aluminum layered double hydroxide/carbon (NiAl LDH/C) composite fabricated by liquid phase deposition (LPD). <i>Journal of Power Sources</i> , <b>2013</b> , 225, 215-220	8.9	29
142	Europium doping induced symmetry deviation and its impact on the second harmonic generation of doped ZnO nanowires. <i>Nanotechnology</i> , <b>2014</b> , 25, 225202	3.4	28
141	Novel Fabrication of High-Quality ZrO <sub>2</sub> Ceramic Thin Films from Aqueous Solution. <i>Journal of the American Ceramic Society</i> , <b>2005</b> , 88, 2923-2927	3.8	28
140	Synthesis of tungsten oxide thin film by liquid phase deposition. <i>Materials Chemistry and Physics</i> , <b>2010</b> , 123, 614-619	4.4	26
139	Effect of $\beta$ -LiAlO <sub>2</sub> powder on ionic conductivity of coexisting single alkali carbonates. <i>Electrochimica Acta</i> , <b>2007</b> , 53, 71-78	6.7	26
138	Synthesis and luminescence property of Eu <sup>3+</sup> /ZrO <sub>2</sub> thin film by the liquid phase deposition method. <i>Journal of Alloys and Compounds</i> , <b>2006</b> , 408-412, 711-716	5.7	26

137	Electrical conductivity and related properties of molten carbonates coexisting with ceria-based oxide powder for hybrid electrolyte. <i>International Journal of Hydrogen Energy</i> , <b>2012</b> , 37, 19407-19416	6.7	24
136	Development of fabrication process for metal oxide with nano-structure by the liquid-phase infiltration (LPI) method. <i>Electrochimica Acta</i> , <b>2005</b> , 51, 802-808	6.7	24
135	Quantitative NMR of quadrupolar nucleus as a novel analytical method: hydrolysis behaviour analysis of aluminum ion. <i>Analyst, The</i> , <b>2017</b> , 142, 1790-1799	5	23
134	Aluminum doped core-shell ZnO/ZnS nanowires: Doping and shell layer induced modification on structural and photoluminescence properties. <i>Journal of Applied Physics</i> , <b>2013</b> , 114, 134307	2.5	23
133	Deep reactive ion etching (Deep-RIE) process for fabrication of ordered structural metal oxide thin films by the liquid phase infiltration method. <i>Microelectronic Engineering</i> , <b>2008</b> , 85, 355-364	2.5	23
132	Novel fabrication method for Si <sub>1-x</sub> Ti <sub>x</sub> O <sub>2</sub> thin films with graded composition profiles by liquid phase deposition. <i>Journal of Materials Chemistry</i> , <b>2001</b> , 11, 984-986		23
131	Nanofabrication of metal oxide thin films and nano-ceramics from aqueous solution. <i>Journal of Materials Chemistry</i> , <b>2004</b> , 14, 3127		22
130	Fabrication of high performance thin films from metal fluorocomplex aqueous solution by the liquid phase deposition. <i>Journal of Fluorine Chemistry</i> , <b>2003</b> , 120, 157-163	2.1	22
129	Solid polymer electrolyte CO <sub>2</sub> reduction. <i>Energy Conversion and Management</i> , <b>1995</b> , 36, 629-632	10.6	22
128	Membrane modification by liquid phase deposition using small amount of TiO <sub>2</sub> for high-temperature operation of polymer electrolyte fuel cells. <i>Journal of Power Sources</i> , <b>2013</b> , 233, 148-158	8.9	21
127	Efficient near-infrared luminescence and energy transfer in erbium/bismuth codoped zeolites. <i>Optics Letters</i> , <b>2010</b> , 35, 1926-8	3	21
126	Carbon dioxide absorption behavior of surface-modified lithium orthosilicate/potassium carbonate prepared by ballmilling. <i>International Journal of Hydrogen Energy</i> , <b>2016</b> , 41, 18893-18899	6.7	21
125	Fabrication and characterization of Pt nanoparticles dispersed in Nb <sub>2</sub> O <sub>5</sub> composite films by liquid phase deposition. <i>Journal of Materials Chemistry</i> , <b>2002</b> , 12, 1495-1499		20
124	An electrochemical investigation on polyvinylidene fluoride-based gel polymer electrolytes. <i>Solid State Ionics</i> , <b>1999</b> , 126, 285-292	3.3	20
123	Broadband rugate filters based on porous silicon. <i>Optical Materials</i> , <b>2008</b> , 31, 102-105	3.3	19
122	Ordered Structure in Room Temperature Molten Salts Containing Aliphatic Quaternary Ammonium Ions. <i>ECS Transactions</i> , <b>2006</b> , 3, 89-95	1	19
121	Properties of CaCl <sub>2</sub> hydrate with an inorganic powder. Part 2. Melting behaviour and thermodynamic properties of CaCl <sub>2</sub> ·nH <sub>2</sub> O (n= 6.00±.35) with Al <sub>2</sub> O <sub>3</sub> or SiC powder. <i>Journal of the Chemical Society, Faraday Transactions</i> , <b>1993</b> , 89, 3811-3815		19
120	Green synthesis of Au, Pd and Au@Pd core-shell nanoparticles via a tryptophan induced supramolecular interface. <i>RSC Advances</i> , <b>2013</b> , 3, 18367	3.7	18

119	Molten-Salt Synthesis and Characterization of Nickel-Doped Forsterite Nanocrystals. <i>Journal of the American Ceramic Society</i> , <b>2009</b> , 92, 962-966	3.8	18
118	Evaluation of nucleic acid duplex formation on gold over layers in biosensor fabricated using Czochralski-grown single-crystal silicon substrate. <i>Analytical and Bioanalytical Chemistry</i> , <b>2010</b> , 398, 751-754	4.4	18
117	Deposition of Metal Oxide Films at Liquid-Liquid Interface by the Liquid Phase Deposition Method. <i>Journal of Physical Chemistry C</i> , <b>2008</b> , 112, 13535-13539	3.8	18
116	Novel fabrication of highly crystallized nanoparticles in the confined system by the liquid phase deposition (LPD) method. <i>Electrochimica Acta</i> , <b>2007</b> , 53, 179-185	6.7	18
115	The dispersion of Au nanoparticles in SiO <sub>2</sub> /TiO <sub>2</sub> layered films by the liquid phase deposition (LPD) method. <i>Thin Solid Films</i> , <b>2005</b> , 491, 86-90	2.2	18
114	Continuous Deposition System of SnO <sub>2</sub> Thin Film by the Liquid Phase Deposition (LPD) Method. <i>Journal of the Ceramic Society of Japan</i> , <b>2007</b> , 115, 856-860	1	17
113	In Situ Synthesis of a Supramolecular Hydrogelator at an Oil/Water Interface for Stabilization and Stimuli-Induced Fusion of Microdroplets. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 9410-9414	16.4	16
112	Efficient ultraviolet-blue to near-infrared downconversion in Bi <sup>3+</sup> /Dy <sup>3+</sup> -doped zeolites. <i>Journal Physics D: Applied Physics</i> , <b>2011</b> , 44, 455301	3	16
111	Aqueous solution-based synthesis of rare earth-doped metal oxide thin films. <i>Thin Solid Films</i> , <b>2004</b> , 460, 83-86	2.2	16
110	Diffuse reflectance FT-IR spectroscopic study of interactions of alpha-Al <sub>2</sub> O <sub>3</sub> /molten alkali nitrate coexisting systems. <i>Journal of Colloid and Interface Science</i> , <b>2003</b> , 268, 413-24	9.3	16
109	Terahertz wire grid polarizer fabricated by imprinting porous silicon. <i>Optics Letters</i> , <b>2013</b> , 38, 5067-70	3	15
108	Anomalous properties of molten alkali nitrates coexisting with aluminum oxides by hetero-phase effect. <i>Vibrational Spectroscopy</i> , <b>2006</b> , 40, 66-79	2.1	15
107	The Electrical Conductivity of Solid/Liquid Coexisting Systems: Aqueous Solution System. <i>Journal of the Electrochemical Society</i> , <b>1992</b> , 139, 996-1000	3.9	15
106	Anion-exchange properties of nickel-aluminum layered double hydroxide prepared by liquid phase deposition. <i>Materials Chemistry and Physics</i> , <b>2013</b> , 141, 445-453	4.4	14
105	Highly efficient and air-stable near infrared emission in erbium/bismuth codoped zeolites. <i>Applied Physics Letters</i> , <b>2009</b> , 94, 141106	3.4	14
104	Enhancement of Photoluminescence from Eu <sup>3+</sup> Doped ZrO <sub>2</sub> in SnO <sub>2</sub> Inverse Opal Structure Prepared by the Liquid Phase Infiltration Method. <i>Journal of the Ceramic Society of Japan</i> , <b>2007</b> , 115, 724-728	1	14
103	Diffuse reflectance FT-IR spectroscopic study of interactions of $\alpha$ -Al <sub>2</sub> O <sub>3</sub> /molten NaNO <sub>3</sub> coexisting systems. <i>Physical Chemistry Chemical Physics</i> , <b>2003</b> , 5, 2089-2095	3.6	14
102	Properties of CaCl <sub>2</sub> hydrate with an inorganic powder. Part 1. Electrical conductivity of CaCl <sub>2</sub> ·nH <sub>2</sub> O (n= 6.00±.35) with $\alpha$ -Al <sub>2</sub> O <sub>3</sub> powder. <i>Journal of the Chemical Society, Faraday Transactions</i> , <b>1993</b> , 89, 3805-3810		14

101	Charge transfer resistance reduction by the interlayer distance expansion of Ni-Al layered double hydroxide for nickel-metal hydride battery anode. <i>Electrochimica Acta</i> , <b>2018</b> , 270, 395-401	6.7	13
100	Significantly enhanced superbroadband near infrared emission in bismuth/aluminum doped high-silica zeolite derived nanoparticles. <i>Optics Express</i> , <b>2009</b> , 17, 6239-44	3.3	13
99	Preparation of .ALPHA.-nickel hydroxide/carbon composite by the liquid phase deposition method. <i>Journal of the Ceramic Society of Japan</i> , <b>2009</b> , 117, 392-394	1	13
98	NiAl Layered Double Hydroxide Prepared by Liquid Phase Deposition. <i>Chemistry Letters</i> , <b>2009</b> , 38, 972-973	7	13
97	Effect of solid surface on vibrational modes of solution in solid/liquid hetero-phase system. <i>Journal of Molecular Liquids</i> , <b>1999</b> , 83, 179-189	6	13
96	The Electrical Conductivity of Solid/Liquid Coexisting Systems: Composition Dependence of the Electrical Conductivity. <i>Journal of the Electrochemical Society</i> , <b>1992</b> , 139, 1544-1548	3.9	13
95	Nickel-Aluminum Layered Double Hydroxide Coating on the Surface of Conductive Substrates by Liquid Phase Deposition. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 17188-98	9.5	12
94	Fabrication of Metal-oxide Nanoparticles by the Liquid Phase Deposition Method in the Heterogeneous System. <i>Electrochemistry</i> , <b>2004</b> , 72, 452-454	1.2	12
93	Large-Scale Controllable Synthesis and Characterization of Ytterbium Silicate Nanostructures. <i>Journal of the American Ceramic Society</i> , <b>2008</b> , 91, 4158-4161	3.8	11
92	Structure and the conductive behaviour of hydrate melt coexisting with porous solid materialsAl <sub>2</sub> O <sub>3</sub> powder/ZnCl <sub>2</sub> hydrate melt coexisting system. <i>Physical Chemistry Chemical Physics</i> , <b>2004</b> , 6, 1944-1951	3.6	11
91	Microstructure and electron transport properties of AuxCo <sub>1-x</sub> nano-alloys embedded in polyacrylonitrile thin films. <i>Journal of Materials Chemistry</i> , <b>2002</b> , 12, 2408-2411		11
90	Improved Cycling Performance of Intermetallic Anode by Minimized SEI Layer Formation. <i>Journal of the Electrochemical Society</i> , <b>2018</b> , 165, A1486-A1491	3.9	11
89	Fabrication of Copper Ferrite Thin Films from Aqueous Solution by the Liquid-phase Deposition Method. <i>Chemistry Letters</i> , <b>2007</b> , 36, 518-519	1.7	10
88	Fabrication and characterization of PAN-derived carbon thin films containing Au nanoparticles. <i>Thin Solid Films</i> , <b>2002</b> , 408, 59-63	2.2	10
87	Preparation and characterization of Au/Co nano-alloys. <i>Journal of Electroanalytical Chemistry</i> , <b>2003</b> , 559, 99-102	4.1	10
86	Different effects of alkyl sulfate and alkylbenzene sulfonate surfactants on the synthesis and properties of CuPc/TiO <sub>2</sub> composite films by the liquid-phase deposition (LPD) method. <i>Synthetic Metals</i> , <b>2004</b> , 146, 17-27	3.6	10
85	Fabrication and Structural Control of Fe/Ti Oxide Thin Films with Graded Compositional Profiles by Liquid Phase Deposition. <i>Journal of the American Ceramic Society</i> , <b>2005</b> , 88, 731-736	3.8	10
84	Improvement of electrochemical properties and oxidation/reduction behavior of cobalt in positive electrode of Ni-metal hydride battery. <i>Journal of Power Sources</i> , <b>2018</b> , 388, 45-51	8.9	9



83	Application of Layered Nickel Double Hydroxide for Alkali Secondary Battery Using the Liquid Phase Deposition Method. <i>ECS Transactions</i> , <b>2009</b> , 19, 41-46	1	9
82	Preparation of Au nanoparticle dispersed Nb <sub>2</sub> O <sub>5</sub> composite film by liquid phase deposition. <i>Journal of Electroanalytical Chemistry</i> , <b>2003</b> , 559, 91-98	4.1	9
81	Transport properties of non-aqueous lithium electrolyte coexisting with porous solid materials: Montmorillonite-based electrolyte composite system. <i>Journal of Power Sources</i> , <b>2005</b> , 146, 365-370	8.9	9
80	Structural Change of Ionic Species in the $\gamma$ -Al <sub>2</sub> O <sub>3</sub> Powder/CoCl <sub>2</sub> Aqueous Solution System. <i>Journal of Colloid and Interface Science</i> , <b>1993</b> , 159, 444-453	9.3	9
79	Palmitoylated amino acids as low-molecular-weight gelators for ionic liquids. <i>Colloid and Polymer Science</i> , <b>2017</b> , 295, 1109-1116	2.4	8
78	Co-existence of Bi with multiple valence states in zeolites [Controlling the optical properties by annealing atmosphere. <i>Optical Materials</i> , <b>2012</b> , 34, 821-825	3.3	8
77	Polarized Raman Spectra of Molten Carbonates Influenced by the Surface Acidity of the Coexisting Inorganic Powder. <i>Electrochemistry</i> , <b>2009</b> , 77, 721-724	1.2	8
76	Equilibrium of dissolving species in aqueous H <sub>2</sub> SiF <sub>6</sub> solution during the liquid phase deposition reaction. <i>Journal of the Ceramic Society of Japan</i> , <b>2009</b> , 117, 335-339	1	8
75	Room-temperature Synthesis of Monodispersed SnO <sub>2</sub> Nanoparticles by Liquid Phase Deposition. <i>Chemistry Letters</i> , <b>2009</b> , 38, 974-975	1.7	8
74	Nano-pore Effect on Ionic Conduction of Non-aqueous LiClO <sub>4</sub> Solution Coexisting with Porous Solid Materials. <i>Electrochemistry</i> , <b>2003</b> , 71, 1093-1095	1.2	8
73	Anomalous Properties of LiKCO <sub>3</sub> Melts Coexisting with Porous Inorganic Powder. <i>Electrochemistry</i> , <b>2005</b> , 73, 680-685	1.2	8
72	Dependence of Catalytic Activity of Gas Diffusion Electrode on the Particle Size of Catalyst for PEFCs. <i>Electrochemistry</i> , <b>1996</b> , 64, 692-698		7
71	<sup>13</sup> Be and <sup>31</sup> P NMR analyses on the influence of imino groups on Be <sup>2+</sup> complex stabilities of a series of cyclo-imido triphosphate anions. <i>Magnetic Resonance in Chemistry</i> , <b>2014</b> , 52, 69-81	2.1	6
70	Stabilities of the Divalent Metal Ion Complexes of a Short-Chain Polyphosphate Anion and Its Imino Derivative. <i>Journal of Solution Chemistry</i> , <b>2013</b> , 42, 2104-2118	1.8	6
69	Bismuth-sensitized efficient near-infrared luminescence from ytterbium in zeolites. <i>Journal Physics D: Applied Physics</i> , <b>2011</b> , 44, 155101	3	6
68	Ordering Structure of Binary Aliphatic Quaternary Ammonium Ionic Liquids: AQA-TFSA Systems. <i>Electrochemistry</i> , <b>2009</b> , 77, 725-729	1.2	6
67	Preparation of Pt/Electro-conductive polymer Loaded Carbon Composite for Improvement of Electrode Durability for Fuel Cells. <i>ECS Transactions</i> , <b>2007</b> , 6, 75-83	1	6
66	Synthesis and the Luminescence Property of Tb <sup>3+</sup> Doped ZrO <sub>2</sub> Thin Film by the Liquid Phase Deposition Method. <i>Journal of the Ceramic Society of Japan</i> , <b>2007</b> , 115, 608-611	1	6

65	Preparation and characterization of metal nanoparticles dispersed in polyacrylonitrile thin film. <i>Scripta Materialia</i> , <b>2001</b> , 44, 1879-1882	5.6	6
64	Electrical Conductivity of Solid/Liquid Coexisting Systems: Dependence of Electrical Conductivity on Surface Hydrophilicity. <i>Journal of Colloid and Interface Science</i> , <b>1994</b> , 168, 198-205	9.3	6
63	Thermophysical Properties of Room Temperature Molten Salts Coexisting with Inorganic Powder. <i>Electrochemistry</i> , <b>2005</b> , 73, 603-605	1.2	6
62	Fabrication of ZnS/Porous Silicon Composite and Its Enhancement of Photoluminescence. <i>Electrochimica Acta</i> , <b>2016</b> , 201, 86-95	6.7	6
61	Quantitative Analysis of Water Activity Related to Hydration Structure in Highly Concentrated Aqueous Electrolyte Solutions. <i>Electrochemistry</i> , <b>2019</b> , 87, 139-141	1.2	5
60	Multinuclear NMR studies on the effect of electrostatic and hydrophobic interactions on bindings to counterions to weakly acidic and basic polyelectrolytes. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2015</b> , 471, 1-10	5.1	5
59	Surface Modification of Porous Silica with the Liquid Phase Deposition Process Using Solid Materials for Fluorine Scavenger. <i>Chemistry Letters</i> , <b>2012</b> , 41, 1262-1264	1.7	5
58	Preparation of Pt/polypyrrole Loaded Carbon Composite in order to Improve Electrode Durability for Fuel Cells. <i>ECS Transactions</i> , <b>2006</b> , 2, 63-72	1	5
57	Solvent molecule mobilities in propylene carbonate-based electrolyte solutions coexisting with fumed oxide nanoparticles. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2019</b> , 562, 270-279	5.1	5
56	Improvement of the conductive network of positive electrodes and the performance of Ni-MH battery. <i>Journal of Power Sources</i> , <b>2017</b> , 352, 143-148	8.9	4
55	Removal of Surface Scale from Titanium Metal by Etching with HF/HNO <sub>3</sub> Mixed Acid. <i>Materials Transactions</i> , <b>2017</b> , 58, 1280-1289	1.3	4
54	Coating Current Collector Surface with Ni&ndash;Al Layered Double Hydroxide by Liquid Phase Deposition to Reduce Charge-Transfer Resistance. <i>Electrochemistry</i> , <b>2015</b> , 83, 803-806	1.2	4
53	Room temperature direct imprinting of porous glass prepared from phase-separated glass. <i>Nanotechnology</i> , <b>2015</b> , 26, 255304	3.4	4
52	Electrical Conductivity of the Coexisting System Containing Molten Carbonates and Rare-Earth Oxide. <i>ECS Transactions</i> , <b>2010</b> , 33, 439-447	1	4
51	One-step synthesis and near-infrared luminescent properties of Er <sup>3+</sup> and Ni <sup>2+</sup> doped single-crystalline Al <sub>18</sub> B <sub>4</sub> O <sub>33</sub> nanorods. <i>Nanotechnology</i> , <b>2009</b> , 20, 035604	3.4	4
50	Highly efficient broadband near-infrared luminescence in Ni <sup>2+</sup> -doped glass ceramics films containing cordierite nanocrystals. <i>Journal of Non-Crystalline Solids</i> , <b>2009</b> , 355, 2425-2428	3.9	4
49	Organic compound/metal oxide hybrid thin film prepared by the liquid phase deposition method. <i>Journal of the Ceramic Society of Japan</i> , <b>2009</b> , 117, 326-329	1	4
48	High Quality Monodispersed Oxide Nanoparticles Prepared by the Liquid Phase Deposition Method in Aqueous Polymer Solution. <i>ECS Transactions</i> , <b>2006</b> , 3, 29-35	1	4



47	In Situ Investigations on the Cross-Linking Process of the Epoxy Resin System DGEBA-DETA by Means of Positron Annihilation Lifetime Spectroscopy in Comparison with Infrared Spectroscopy. <i>Materials Science Forum</i> , <b>2004</b> , 445-446, 313-315	0.4	4
46	Structural change of zinc chloride hydrate melt coexisting with porous solid materials. <i>Studies in Surface Science and Catalysis</i> , <b>2001</b> , 132, 255-258	1.8	4
45	Structure and Electrical Conductivity of Composites of Polyethylene and Conductive Powder.. <i>Kobunshi Ronbunshu</i> , <b>1992</b> , 49, 677-685	0	4
44	Fabrication of Pt Nanoparticles-polypyrrole Composite for Electrocatalyst. <i>Electrochemistry</i> , <b>2004</b> , 72, 415-417	1.2	4
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39	An experimental and first-principle investigation of the Ca-substitution effect on P3-type layered NaCoO. <i>Chemical Communications</i> , <b>2020</b> , 56, 8107-8110	5.8	3
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37	Synthesis, protonation equilibrium and peculiar thermal decomposition behavior of cyclo-tri- $\beta$ -imidotetraphosphate. <i>Dalton Transactions</i> , <b>2014</b> , 43, 11611-23	4.3	3
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26	Depositing Mechanism of Metal Oxide Thin Film in the Liquid Phase Deposition Process. <i>ECS Transactions</i> , <b>2009</b> , 16, 93-101	1	2
25	Temperature dependence of pH for solubilized collagen solutions. <i>Journal of Applied Polymer Science</i> , <b>1994</b> , 54, 1561-1566	2.9	2
24	Structural Change of the Dissolved Species in $\alpha$ -Al <sub>2</sub> O <sub>3</sub> Powder/NiCl <sub>2</sub> Aqueous Solution Coexisting Systems. <i>Nippon Kagaku Kaishi / Chemical Society of Japan - Chemistry and Industrial Chemistry Journal</i> , <b>1991</b> , 1991, 1161-1166		2
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20	Electrodeposition of cerium oxide on porous silicon via anodization and enhancement of photoluminescence. <i>Applied Physics A: Materials Science and Processing</i> , <b>2016</b> , 122, 1	2.6	1
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