

# Tetsuya Uda

## List of Publications by Citations

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121  
papers

2,777  
citations

25  
h-index

49  
g-index

136  
ext. papers

3,171  
ext. citations

4.6  
avg, IF

5.46  
L-index

#	Paper	IF	Citations
121	High-performance solid Acid fuel cells through humidity stabilization. <i>Science</i> , <b>2004</b> , 303, 68-70	33.3	367
120	Processing of yttrium-doped barium zirconate for high proton conductivity. <i>Journal of Materials Research</i> , <b>2007</b> , 22, 1322-1330	2.5	307
119	Solid acid proton conductors: from laboratory curiosities to fuel cell electrolytes. <i>Faraday Discussions</i> , <b>2007</b> , 134, 17-39; discussion 103-18, 415-9	3.6	235
118	Recovery of Rare Earths from Magnet Sludge by FeCl <sub>2</sub> . <i>Materials Transactions</i> , <b>2002</b> , 43, 55-62	1.3	83
117	Correlation between electroconductive and structural properties of proton conductive acceptor-doped barium zirconate. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 1243-1250	13	76
116	Dehydration behavior of the superprotonic conductor CsH <sub>2</sub> PO <sub>4</sub> at moderate temperatures: 230 to 260 °C. <i>Journal of Materials Chemistry</i> , <b>2007</b> , 17, 3182		71
115	Chemical Expansion of Yttrium-Doped Barium Zirconate and Correlation with Proton Concentration and Conductivity. <i>Journal of the American Ceramic Society</i> , <b>2016</b> , 99, 3745-3753	3.8	62
114	Site selectivity of dopants in BaZr <sub>1-y</sub> MyO <sub>3-δ</sub> (M = Sc, Y, Sm, Eu, Dy) and measurement of their water contents and conductivities. <i>Solid State Ionics</i> , <b>2012</b> , 213, 2-7	3.3	62
113	Synthesis of La <sub>1-x</sub> Sr <sub>x</sub> Sc <sub>1-y</sub> Y <sub>y</sub> FeyO <sub>3-δ</sub> (LSSF) and measurement of water content in LSSF, LSCF and LSC hydrated in wet artificial air at 300 °C. <i>Solid State Ionics</i> , <b>2010</b> , 181, 1601-1606	3.3	59
112	Chemical Expansion and Change in Lattice Constant of Y-Doped BaZrO <sub>3</sub> by Hydration/Dehydration Reaction and Final Heat-Treating Temperature. <i>Journal of the American Ceramic Society</i> , <b>2013</b> , 96, 879-884	3.8	58
111	Transport properties of acceptor-doped barium zirconate by electromotive force measurements. <i>International Journal of Hydrogen Energy</i> , <b>2016</b> , 41, 14897-14908	6.7	56
110	Thermogravimetric-Mass Spectrometric Analysis of the Reactions between Oxide (ZnO, Fe <sub>2</sub> O <sub>3</sub> or ZnFe <sub>2</sub> O <sub>4</sub> ) and Polyvinyl Chloride under Inert Atmosphere. <i>Materials Transactions, JIM</i> , <b>2000</b> , 41, 1342-1350		55
109	The best composition of an Y-doped BaZrO <sub>3</sub> electrolyte: selection criteria from transport properties, microstructure, and phase behavior. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 18571-18582	13	51
108	A comprehensive understanding of structure and site occupancy of Y in Y-doped BaZrO <sub>3</sub> . <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 3027	13	50
107	Thermodynamic, thermomechanical, and electrochemical evaluation of CsHSO <sub>4</sub> . <i>Solid State Ionics</i> , <b>2005</b> , 176, 127-133	3.3	47
106	Origins of structural and electrochemical influence on Y-doped BaZrO <sub>3</sub> heat-treated with NiO additive. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 12552	13	45
105	Alcohol Fuel Cells at Optimal Temperatures. <i>Electrochemical and Solid-State Letters</i> , <b>2006</b> , 9, A261		43

104	Detrimental Effect of Sintering Additives on Conducting Ceramics: Yttrium-Doped Barium Zirconate. <i>ChemSusChem</i> , <b>2018</b> , 11, 4102-4113	8.3	43
103	Dopant Site Occupancy and Chemical Expansion in Rare Earth-Doped Barium Zirconate. <i>Journal of the American Ceramic Society</i> , <b>2014</b> , 97, 643-650	3.8	42
102	Proton-Conducting Network in Lanthanum Orthophosphate. <i>Journal of Physical Chemistry C</i> , <b>2012</b> , 116, 19117-19124	3.8	38
101	Structure analysis of BaCe <sub>0.8</sub> Y <sub>0.2</sub> O <sub>3</sub> in dry and wet atmospheres by high-temperature X-ray diffraction measurement. <i>Journal of Solid State Chemistry</i> , <b>2013</b> , 205, 122-128	3.3	29
100	To Journal of Phase Equilibria and Diffusion Phase Relationship of the BaO-ZrO <sub>2</sub> -YO <sub>1.5</sub> System at 1500 and 1600 °C. <i>Journal of Phase Equilibria and Diffusion</i> , <b>2010</b> , 31, 348-356	1	27
99	Strategy to improve phase compatibility between proton conductive BaZr <sub>0.8</sub> Y <sub>0.2</sub> O <sub>3</sub> and nickel oxide. <i>RSC Advances</i> , <b>2016</b> , 6, 19288-19297	3.7	26
98	Evaluation of performance and durability of Ni-BZY cermet electrodes with BZY electrolyte. <i>Solid State Ionics</i> , <b>2018</b> , 317, 127-135	3.3	25
97	Synthesis of Spinel-Type Magnesium Cobalt Oxide and Its Electrical Conductivity. <i>Materials Transactions</i> , <b>2008</b> , 49, 824-828	1.3	25
96	High oxide-ion conductivity of monovalent-metal-doped bismuth vanadate at intermediate temperatures. <i>Solid State Ionics</i> , <b>2010</b> , 181, 719-723	3.3	24
95	Dehydration of CsH <sub>2</sub> PO <sub>4</sub> at temperatures higher than 260 °C and the ionic conductivity of liquid product. <i>Solid State Ionics</i> , <b>2008</b> , 178, 1648-1653	3.3	24
94	A high temperature reduction cleaning (HTRC) process: a novel method for conductivity recovery of yttrium-doped barium zirconate electrolytes. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 10601-10608	13	24
93	Microstructure, Proton Concentration and Proton Conductivity of Barium Zirconate Doped with Ho, Er, Tm and Yb. <i>Journal of the Electrochemical Society</i> , <b>2016</b> , 163, F470-F476	3.9	23
92	Electroplating of titanium on iron by galvanic contact deposition in NaCl/KCl molten salt. <i>Science and Technology of Advanced Materials</i> , <b>2006</b> , 7, 490-495	7.1	22
91	Dependence of lattice constant of Ba, Co-contained perovskite oxides on atmosphere, and measurements of water content. <i>Solid State Ionics</i> , <b>2014</b> , 262, 687-690	3.3	21
90	Yttrium-Doped Barium Zirconate-Cerate Solid Solution as Proton Conducting Electrolyte: Why Higher Cerium Concentration Leads to Better Performance for Fuel Cells and Electrolysis Cells. <i>Advanced Energy Materials</i> , <b>2021</b> , 11, 2003149	21.8	21
89	Tetravalent dysprosium in a perovskite-type oxide. <i>Advanced Materials</i> , <b>2012</b> , 24, 2051-3	24	20
88	Quantitative Analysis of Titanium Ions in the Equilibrium with Metallic Titanium in NaCl-KCl Equimolar Molten Salt. <i>Materials Transactions</i> , <b>2010</b> , 51, 2121-2124	1.3	20
87	Transport properties of proton conductive Y-doped BaHfO <sub>3</sub> and Ca or Sr-substituted Y-doped BaZrO <sub>3</sub> . <i>Journal of the American Ceramic Society</i> , <b>2019</b> , 102, 1201-1210	3.8	19

86	Fast and Anisotropic Proton Conduction in a Crystalline Polyphosphate. <i>Journal of Physical Chemistry C</i> , <b>2014</b> , 118, 29629-29635	3.8	19
85	Rare Earth, Titanium Group Metals, and Reactive Metals Production <b>2014</b> , 995-1069		18
84	High Performance Protonic Ceramic Fuel Cells with Acid-Etched Surfaces. <i>Journal of the Electrochemical Society</i> , <b>2011</b> , 158, B1067	3.9	18
83	Preferential proton conduction along a three-dimensional dopant network in yttrium-doped barium zirconate: a first-principles study. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 22721-22730	13	18
82	Titanium Powder Production by Halidothemic Reduction. <i>Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals</i> , <b>1998</b> , 62, 796-802	0.4	16
81	Bulk crystal growth and characterization of ZnSnP <sub>2</sub> compound semiconductor by flux method. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , <b>2015</b> , 12, 520-523		15
80	New Smelting Process for Titanium: Magnesiothermic Reduction of TiCl <sub>4</sub> into Liquid Bi and Subsequent Refining by Vacuum Distillation. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , <b>2015</b> , 46, 57-61	2.5	14
79	Carrier-Carrier Interaction in Proton-Conducting Perovskites: Carrier Blocking vs Trap-Site Filling. <i>Journal of Physical Chemistry C</i> , <b>2019</b> , 123, 26823-26830	3.8	14
78	First-principles thermodynamics of La <sub>2</sub> O <sub>3</sub> -P <sub>2</sub> O <sub>5</sub> pseudobinary system. <i>Physical Review B</i> , <b>2011</b> , 84,	3.3	14
77	Electrochemical Polishing of Metallic Titanium in Ionic Liquid. <i>Materials Transactions</i> , <b>2011</b> , 52, 2061-2066	6.3	14
76	Substantial appearance of origin of conductivity decrease in Y-doped BaZrO <sub>3</sub> due to Ba-deficiency. <i>RSC Advances</i> , <b>2014</b> , 4, 31589	3.7	13
75	Direct Evidence of Electronically Mediated Reaction during TiCl <sub>4</sub> Reduction by Magnesium. <i>Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals</i> , <b>1997</b> , 61, 602-609	0.4	13
74	Correlation between Phase Behavior and Electrical Conductivity of 10 mol % Y-Doped BaZrO: An Anomalous Dispersion Effect-Aided Synchrotron Radiation XRD Study Combined with TEM Observation and Electrochemical Analysis. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 3990-4000	9.5	13
73	Discovery of Rapid and Reversible Water Insertion in Rare Earth Sulfates: A New Process for Thermochemical Heat Storage. <i>Advanced Materials</i> , <b>2017</b> , 29, 1606569	24	12
72	Thermodynamic maximum of Y doping level in barium zirconate in co-sintering with NiO. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 7232-7241	13	12
71	Effect of isovalent cation substitution on conductivity and microstructure of sintered yttrium-doped barium zirconate. <i>Journal of Alloys and Compounds</i> , <b>2010</b> , 490, 672-676	5.7	12
70	Precipitation behavior of highly Sr-doped LaPO <sub>4</sub> in phosphoric acid solutions. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 8781		12
69	Phase Relationship of CsH <sub>2</sub> PO <sub>4</sub> /CsPO <sub>3</sub> System and Electrical Properties of CsPO <sub>3</sub> . <i>Journal of the Electrochemical Society</i> , <b>2009</b> , 156, B572	3.9	12

68	Location Control of Titanium Deposition during Magnesiothermic Reduction of $TiCl_4$ by Long Range Electronically Mediated Reaction. <i>Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals</i> , <b>1998</b> , 62, 76-84	0.4	12
67	Revaluation of equilibrium quotient between titanium ions and metallic titanium in $NaCl\text{-}CaCl_2$ equimolar molten salt. <i>Journal of Alloys and Compounds</i> , <b>2011</b> , 509, 5477-5482	5.7	11
66	Proton Conductive $BaZr_{0.8}Ce_{0.2}Y_{0.05}O_{3-\delta}$ : Influence of NiO Sintering Additive on Crystal Structure, Hydration Behavior, and Conduction Properties. <i>ChemSusChem</i> , <b>2021</b> , 14, 614-623	8.3	11
65	Phase classification, electrical conductivity, and thermal stability of $Bi_2(V_{0.95}TM_{0.05})O_{5.5+\delta}$ (TM: transition metal). <i>Solid State Ionics</i> , <b>2010</b> , 181, 1279-1286	3.3	10
64	A Pseudoternary Phase Diagram of the $BaO\text{-}ZrO_2\text{-}Sc_2O_3$ System at 1600 °C and Solubility of Scandia into Barium Zirconate. <i>Journal of Phase Equilibria and Diffusion</i> , <b>2007</b> , 28, 517-522	1	10
63	Phase Equilibria and Reaction Pathways during $TiCl_4$ Reduction by Magnesium and Sodium Involving Electronically Mediated Reaction. <i>Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals</i> , <b>1997</b> , 61, 610-618	0.4	10
62	Calculation of Oxygen Potential Profile in Proton-Hole Mix Conductive Electrolyte and its Application for Evaluation of Practical Cells. <i>Electrochemistry</i> , <b>2019</b> , 87, 162-174	1.2	9
61	Simultaneous Separation of Manganese, Cobalt, and Nickel by the Organic-Aqueous-Aqueous Three-Phase Solvent Extraction. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , <b>2016</b> , 47, 1325-1333	2.5	9
60	Phase Diagram Investigations of the Bi-Ti System. <i>Journal of Phase Equilibria and Diffusion</i> , <b>2013</b> , 34, 289-296	1	9
59	Fabrication and electrical characterization of 15% yttrium-doped barium zirconate/oxide freeze drying method combined with vacuum heating. <i>Journal of Alloys and Compounds</i> , <b>2011</b> , 509, 3872-3879	5.7	9
58	Protonated $BaZr_{0.8}Y_{0.2}O_{3-\delta}$ : Impact of Hydration on Electrochemical Conductivity and Local Crystal Structure. <i>ACS Applied Energy Materials</i> , <b>2021</b> , 4, 1666-1676	6.1	9
57	Characteristic microstructure underlying the fast hydration/dehydration reaction of $La_2(SO_4)_3$ : Fine platy joints with close grain boundaries. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 24956-24964	13	9
56	Preparation of pure and fully dense lanthanum nickelates $Lan_{n+1}Ni_nO_{3n+1}$ ( $n=2, 3, 4$ ) by post-sintering oxidation process. <i>Journal of the American Ceramic Society</i> , <b>2019</b> , 102, 7077-7088	3.8	8
55	Synthesis and Conductivity Measurement of Lanthanum Zirconate Doped with Rare Earth Dopants. <i>Journal of the Electrochemical Society</i> , <b>2014</b> , 161, F977-F982	3.9	8
54	Electrolysis of $TiO_2$ or $TiCl_2$ Using Bi Liquid Cathode in Molten $CaCl_2$ . <i>Journal of the Electrochemical Society</i> , <b>2013</b> , 160, E139-E142	3.9	8
53	Phase equilibria and thermodynamics of the system $Dy\text{-}Mg\text{-}Al$ at 1073 K. <i>Journal of Alloys and Compounds</i> , <b>1999</b> , 284, 282-288	5.7	8
52	Thermodynamics of $NdRhO_3$ and phase relations in the system $Nd\text{-}Rh\text{-}O$ . <i>Calphad: Computer Coupling of Phase Diagrams and Thermochemistry</i> , <b>2013</b> , 43, 71-79	1.9	7
51	Evaluation of Electrode Overpotentials on Yttrium-Doped Barium Zirconate Electrolyte by Current Interruption Using Three-Electrode Cell. <i>Journal of the Electrochemical Society</i> , <b>2015</b> , 162, F250-F257	3.9	7

50	Reduction of titanium oxide in the presence of nickel by nonequilibrium hydrogen gas. <i>Journal of Materials Research</i> , <b>2009</b> , 24, 2391-2399	2.5	7
49	Reduction Mechanism of $TiCl_4$ in Reaction Mediator Salt.. <i>Shigen-to-Sozai</i> , <b>1998</b> , 114, 573-579		7
48	Precipitation, Recovery and Recrystallization during Working, and Work-softening of Zn-Al Alloys. <i>Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals</i> , <b>1996</b> , 60, 254-260	0.4	7
47	Fabrication of protonic ceramic fuel cells via infiltration with Ni nanoparticles: A new strategy to suppress NiO diffusion & increase open circuit voltage. <i>Solid State Ionics</i> , <b>2020</b> , 345, 115189	3.3	7
46	Electrorefining of titanium from BiTi alloys in molten chlorides for a new smelting process of titanium. <i>Journal of Applied Electrochemistry</i> , <b>2016</b> , 46, 987-993	2.6	7
45	Synthesis of Sr-doped $LaP_3O_9$ single crystals and dense polycrystalline membranes in condensed phosphoric acid solutions. <i>Journal of Crystal Growth</i> , <b>2013</b> , 380, 78-84	1.6	6
44	One-dimensional water channels in lanthanum sulfate: a first-principles study. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 20188-20194	13	6
43	$La(NbY)O_3$ : discovery of a novel fluorite structure-based ionic conductor. <i>Chemical Communications</i> , <b>2017</b> , 53, 12684-12687	5.8	6
42	Exploration of Dopant Species for Lanthanum Polyphosphate. <i>Journal of the Electrochemical Society</i> , <b>2015</b> , 162, F596-F602	3.9	6
41	Dry Separation for Rare Earth by Vacuum Distillation of Di and Triiodide Mixture. <i>Materials Transactions</i> , <b>2001</b> , 42, 1813-1819	1.3	6
40	Electrochemical and structural influence on $BaZr_{0.8}Y_{0.2}O_{3-x}$ from manganese, cobalt, and iron oxide additives. <i>Journal of the American Ceramic Society</i> , <b>2020</b> , 103, 346-355	3.8	6
39	Reinvestigation of the Phase Equilibria in the $La_2O_3-P_2O_5$ System. <i>Journal of Phase Equilibria and Diffusion</i> , <b>2013</b> , 34, 196-201	1	5
38	Vapour pressure measurements on lanthanum polyphosphate and ultraphosphate by the transpiration method. <i>Journal of Chemical Thermodynamics</i> , <b>2013</b> , 61, 147-153	2.9	5
37	Preparation and Properties of Trivalent Titanium Compounds, $TiCl_3$ and $TiOCl$ . <i>High Temperature Materials and Processes</i> , <b>2011</b> , 30,	0.9	5
36	Sintering, Electrical Conductivity, Oxygen Nonstoichiometry, Thermal Expansion and Thermal Stability of Ruddlesden-Popper Type Cobaltite $La_4Co_3O_{10}$ . <i>Journal of the Electrochemical Society</i> , <b>2016</b> , 163, F1084-F1090	3.9	5
35	Correlation between Concentrations of Ni and Y in Y-Doped $BaZrO_3$ Electrolyte in Co-Sintered Cells: A Case of Controlled NiO Activity by Using MgO-NiO Solid Solution as Anode Substrate. <i>Membranes</i> , <b>2019</b> , 9,	3.8	4
34	Thermodynamic Properties of $YbRhO_3$ and Phase Relations in the System Yb-Rh-O. <i>Journal of Phase Equilibria and Diffusion</i> , <b>2016</b> , 37, 503-509	1	4
33	Phase equilibria in the system $SmRhO_3$ and thermodynamic and thermal studies on $SmRhO_3$ . <i>Journal of Materials Science</i> , <b>2014</b> , 49, 3135-3145	4.3	4

32	Effects of oxygen content and heating rate on phase transition behavior in Bi <sub>2</sub> (V <sub>0.95</sub> Ti <sub>0.05</sub> )O <sub>5.475</sub> . <i>Journal of Alloys and Compounds</i> , <b>2011</b> , 509, 5833-5838	5.7	4
31	Acoustically Controlled Behavior of Dust Particles in High Temperature Gas Atmosphere. <i>ISIJ International</i> , <b>2004</b> , 44, 275-284	1.7	4
30	Comprehensive evaluation of dopant solubility, proton concentration, proton mobility and phase stability of lanthanum polyphosphate for conductivity improvement. <i>International Journal of Hydrogen Energy</i> , <b>2016</b> , 41, 21450-21460	6.7	4
29	Experimental Study of Hydration/Dehydration Behaviors of Metal Sulfates M(SO) (M = Sc, Yb, Y, Dy, Al, Ga, Fe, In) in Search of New Low-Temperature Thermochemical Heat Storage Materials. <i>ACS Omega</i> , <b>2020</b> , 5, 13521-13527	3.9	3
28	Reexamination of the phase diagram of the BaO-ZrO <sub>2</sub> -Y <sub>2</sub> O <sub>3</sub> system: investigation of the presence of separate region in Y-doped BaZrO <sub>3</sub> solid solution and the dissolution of Zr in Ba <sub>3</sub> Y <sub>4</sub> O <sub>9</sub> . <i>Journal of Solid State Electrochemistry</i> , <b>2020</b> , 24, 1523-1538	2.6	3
27	Phase Stability of Bi <sub>2</sub> (V <sub>1-x</sub> ME <sub>x</sub> )O <sub>5.5+Δ</sub> ; (ME=Li and Ag, x=0.05 and 0.1). <i>Materials Transactions</i> , <b>2010</b> , 51, 561-566	1.3	3
26	High-Performance Solid Acid Fuel Cells Through Humidity Stabilization.. <i>ChemInform</i> , <b>2004</b> , 35, no		3
25	Suitable Electrode Materials for Titanium Sheet Deposition. <i>Advanced Engineering Materials</i> , <b>2020</b> , 22, 1900747	3.5	3
24	Low-temperature electrodeposition of titanium in molten iodides. <i>Journal of Applied Electrochemistry</i> , <b>2020</b> , 50, 1209-1216	2.6	3
23	Continuous Production of Bi-Ti Alloys by Magnesiothermic Reduction of TiCl <sub>4</sub> for a New Smelting Process of Ti. <i>Journal of MMIJ</i> , <b>2016</b> , 132, 199-206	0.3	3
22	Thermodynamics on the Bi-Fe-Ti System and the Gibbs Energy of Bi <sub>9</sub> Ti <sub>8</sub> . <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , <b>2018</b> , 49, 2975-2985	2.5	3
21	Structure refinement and chemical analysis of Cs <sub>3</sub> Li(DSO <sub>4</sub> ) <sub>4</sub> , formerly Cs <sub>1.5</sub> Li <sub>1.5</sub> D(SO <sub>4</sub> ) <sub>2</sub> . <i>Journal of Solid State Chemistry</i> , <b>2004</b> , 177, 274-280	3.3	2
20	Effect of Thermomechanical Treatment on Work-Softening of Zn-Al Alloys. <i>Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals</i> , <b>1996</b> , 60, 247-253	0.4	2
19	Low Temperature Electrodeposition of Titanium in Fluoride-Added LiCl-KCl-CsCl Molten Salt. <i>Materials Transactions</i> , <b>2020</b> , 61, 1651-1656	1.3	2
18	Multi-step hydration/dehydration mechanisms of rhombohedral Y(SO): a candidate material for low-temperature thermochemical heat storage.. <i>RSC Advances</i> , <b>2020</b> , 10, 15604-15613	3.7	1
17	Growth of thin, c-axis oriented Sr-doped LaP <sub>3</sub> O <sub>9</sub> electrolyte membranes in condensed phosphoric acid solutions. <i>Journal of Crystal Growth</i> , <b>2016</b> , 448, 58-63	1.6	1
16	Evaluation of overpotentials on graphite and liquid Bi-Mg electrodes by current interruption. <i>Journal of Applied Electrochemistry</i> , <b>2019</b> , 49, 743-753	2.6	1
15	Recovery of Cobalt Ion into Polyethyleneglycol (PEG) Gel Phase as Thiocyanato Complex. <i>Materials Transactions</i> , <b>2015</b> , 56, 610-616	1.3	1

14	Electrochemical Deposition of Zn <sub>3</sub> P <sub>2</sub> Thin Film Semiconductors Based on Potential-pH Diagram of the Zn-P-H <sub>2</sub> O System. <i>Journal of the Electrochemical Society</i> , <b>2012</b> , 159, D181-D186	3.9	1
13	Solid solutions of perovskite in the La <sub>0.5</sub> Ba <sub>0.5</sub> Co <sub>1.5</sub> O <sub>7</sub> system at 1600°C. <i>Journal of Solid State Chemistry</i> , <b>2008</b> , 181, 2572-2579	3.3	1
12	Nonaqueous Solvents for Leaching CaCl <sub>2</sub> Flux from Calcium-Reduced Titanium Powder. <i>Materials Transactions</i> , <b>2019</b> , 60, 2530-2536	1.3	1
11	Theoretical study on proton diffusivity in Y-doped BaZrO with realistic dopant configurations. <i>Physical Chemistry Chemical Physics</i> , <b>2021</b> , 23, 5908-5918	3.6	1
10	Hidden Nature of the Conversion Reaction from Rare Earth Chloride to Oxychloride and the Application to Novel Separation. <i>ChemistrySelect</i> , <b>2018</b> , 3, 2998-3002	1.8	0
9	Rapid Oxidative Dissolution of Metallic Tin in Alkaline Solution Containing Iodate Ions. <i>Journal of Sustainable Metallurgy</i> , <b>2021</b> , 7, 1762	2.7	0
8	Experimental validation of high electrical conductivity in Ni-rich LaNi <sub>1-x</sub> FexO <sub>3</sub> solid solutions (x = 0.4) in high-temperature oxidizing atmospheres. <i>Materials Advances</i> ,	3.3	0
7	Conduction properties of Ti-doped NaTaO <sub>3</sub> at intermediate temperature. <i>Journal of the American Ceramic Society</i> , <b>2021</b> , 104, 6424	3.8	0
6	In-situ observation on the magnesian reduction of TiCl <sub>4</sub> around 800 °C by microfocus X-ray fluoroscopy. <i>Journal of Alloys and Compounds</i> , <b>2021</b> , 874, 159855	5.7	0
5	Separation of Nickel and Cobalt Utilizing Selective Reduction of Nickel in Acidic Aqueous Solution. <i>Materials Transactions</i> , <b>2015</b> , 56, 340-347	1.3	
4	Effect of Impurity Silica on Grain Boundary Resistance of Yttrium-doped Barium Zirconate. <i>High Temperature Materials and Processes</i> , <b>2010</b> , 29, 339-346	0.9	
3	Industry-Academia Collaboration for Non-ferrous Smelting at Kyoto University ~Initiatives of Laboratory of Non-ferrous Extractive Metallurgy~. <i>Materia Japan</i> , <b>2020</b> , 59, 477-480	0.1	
2	Separation of Ti from Bi-Ti alloy by Solid-Liquid Separation at High Temperature and Vacuum Distillation. <i>Journal of MMIJ</i> , <b>2021</b> , 137, 10-16	0.3	
1	New ionic conductor: Ba-deficient Ba <sub>3</sub> Y <sub>4</sub> O <sub>9</sub> with Zr substitution. <i>Solid State Ionics</i> , <b>2021</b> , 368, 115709	3.3	