

# Tetsu Ichitsubo

## List of Publications by Year in descending order

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178  
papers

4,604  
citations

101384

36  
h-index

128067

60  
g-index

182  
all docs

182  
docs citations

182  
times ranked

4084  
citing authors

#	ARTICLE	IF	CITATIONS
1	Microstructure of Fragile Metallic Glasses Inferred from Ultrasound-Accelerated Crystallization in Pd-Based Metallic Glasses. <i>Physical Review Letters</i> , 2005, 95, 245501.	2.9	309
2	Bulk-Nanoporous-Silicon Negative Electrode with Extremely High Cyclability for Lithium-Ion Batteries Prepared Using a Top-Down Process. <i>Nano Letters</i> , 2014, 14, 4505-4510.	4.5	208
3	Intercalation and Push-Out Process with Spinel-Rocksalt Transition on Mg Insertion into Spinel Oxides in Magnesium Batteries. <i>Advanced Science</i> , 2015, 2, 1500072.	5.6	153
4	Potential positive electrodes for high-voltage magnesium-ion batteries. <i>Journal of Materials Chemistry</i> , 2011, 21, 11764.	6.7	138
5	A concept of dual-salt polyvalent-metal storage battery. <i>Journal of Materials Chemistry A</i> , 2014, 2, 1144-1149.	5.2	133
6	Transverse Acoustic Excitations in Liquid Ga. <i>Physical Review Letters</i> , 2009, 102, 105502.	2.9	131
7	Circumventing huge volume strain in alloy anodes of lithium batteries. <i>Nature Communications</i> , 2020, 11, 1584.	5.8	130
8	Single-crystal elastic constants of gamma-TiAl. <i>Philosophical Magazine Letters</i> , 1996, 73, 71-78.	0.5	106
9	Electrochemical Stability of Magnesium Battery Current Collectors in a Grignard Reagent-Based Electrolyte. <i>Journal of the Electrochemical Society</i> , 2013, 160, C83-C88.	1.3	105
10	Rafting mechanism for Ni-base superalloy under external stress: elastic or elastic-plastic phenomena?. <i>Acta Materialia</i> , 2003, 51, 4033-4044.	3.8	89
11	Toward rocking-chair type-Mg-Li dual-salt batteries. <i>Journal of Materials Chemistry A</i> , 2015, 3, 10188-10194.	5.2	72
12	Effects of volume strain due to Li-Sn compound formation on electrode potential in lithium-ion batteries. <i>Acta Materialia</i> , 2008, 56, 1539-1545.	3.8	70
13	Anisotropic elastic constants of lotus-type porous copper: measurements and micromechanics modeling. <i>Acta Materialia</i> , 2002, 50, 4105-4115.	3.8	69
14	Effect of external fields on ordering of FePd. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2001, 312, 118-127.	2.6	68
15	Elastic properties of lotus-type porous iron: acoustic measurement and extended effective-mean-field theory. <i>Acta Materialia</i> , 2004, 52, 5195-5201.	3.8	67
16	Metalloid substitution elevates simultaneously the strength and ductility of face-centered-cubic high-entropy alloys. <i>Acta Materialia</i> , 2022, 225, 117571.	3.8	64
17	Preferential formation of anatase in laser-ablated titanium dioxide films. <i>Acta Materialia</i> , 2005, 53, 323-329.	3.8	62
18	Ultrasound-induced crystallization around the glass transition temperature for Pd <sub>40</sub> Ni <sub>40</sub> P <sub>20</sub> metallic glass. <i>Acta Materialia</i> , 2004, 52, 423-429.	3.8	61

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19	Fast Diffusion of Multivalent Ions Facilitated by Concerted Interactions in Dual-Ion Battery Systems. <i>Advanced Energy Materials</i> , 2018, 8, 1801475.	10.2	59
20	Zinc-based spinel cathode materials for magnesium rechargeable batteries: toward the reversible spinel-rock salt transition. <i>Journal of Materials Chemistry A</i> , 2019, 7, 12225-12235.	5.2	59
21	Control of compound forming reaction at the interface between SnZn solder and Cu substrate. <i>Journal of Alloys and Compounds</i> , 2005, 392, 200-205.	2.8	54
22	Kinetics of cubic to tetragonal transformation under external field by the time-dependent Ginzburg-Landau approach. <i>Physical Review B</i> , 2000, 62, 5435-5441.	1.1	53
23	Glass-liquid transition in a less-stable metallic glass. <i>Physical Review B</i> , 2005, 72, .	1.1	53
24	Structure Design of Long-Life Spinel-Oxide Cathode Materials for Magnesium Rechargeable Batteries. <i>Advanced Materials</i> , 2021, 33, e2007539.	11.1	52
25	Mechanical-energy influences to electrochemical phenomena in lithium-ion batteries. <i>Journal of Materials Chemistry</i> , 2011, 21, 2701.	6.7	51
26	Structural instability of metallic glasses under radio-frequency-ultrasonic perturbation and its correlation with glass-to-crystal transition of less-stable metallic glasses. <i>Journal of Chemical Physics</i> , 2006, 125, 154502.	1.2	50
27	Three-Dimensional Nanoelectrode by Metal Nanowire Nonwoven Clothes. <i>Nano Letters</i> , 2014, 14, 1932-1937.	4.5	48
28	EQCM Analysis of Redox Behavior of CuFe Prussian Blue Analog in Mg Battery Electrolytes. <i>Journal of the Electrochemical Society</i> , 2015, 162, A2356-A2361.	1.3	48
29	Elastic and anelastic behavior of Zr <sub>55</sub> Al <sub>10</sub> Ni <sub>5</sub> Cu <sub>30</sub> bulk metallic glass around the glass transition temperature under ultrasonic excitation. <i>Scripta Materialia</i> , 2003, 49, 267-271.	2.6	46
30	Nanoscale elastic inhomogeneity of a Pd-based metallic glass: Sound velocity from ultrasonic and inelastic x-ray scattering experiments. <i>Physical Review B</i> , 2007, 76, .	1.1	45
31	Initial Atomic Motion Immediately Following Femtosecond-Laser Excitation in Phase-Change Materials. <i>Physical Review Letters</i> , 2016, 117, 135501.	2.9	45
32	Surface-layer formation by reductive decomposition of LiPF <sub>6</sub> at relatively high potentials on negative electrodes in lithium ion batteries and its suppression. <i>Journal of Power Sources</i> , 2014, 271, 431-436.	4.0	43
33	axis orientation of $L$ in nanostructured $L_{1-x}M_xO_4$		
34	Electrochemical phase transformation accompanied with Mg extraction and insertion in a spinel MgMn <sub>2</sub> O <sub>4</sub> cathode material. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 23749-23757.	1.3	39
35	Solvation-Structure Modification by Concentrating Mg(TFSA) <sub>2</sub> •MgCl <sub>2</sub> •Triglyme Ternary Electrolyte. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 4732-4737.	2.1	37
36	Synthesis of Binary Magnesium-Transition Metal Oxides via Inverse Coprecipitation. <i>Japanese Journal of Applied Physics</i> , 2013, 52, 025501.	0.8	36

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37	Distortion of Local Atomic Structures in Amorphous Ge-Sb-Te Phase Change Materials. <i>Physical Review Letters</i> , 2018, 120, 205502.	2.9	35
38	Suppressive effect of Fe cations in Mg(Mn <sub>1-x</sub> Fe <sub>x</sub> ) <sub>2</sub> O <sub>4</sub> positive electrodes on oxidative electrolyte decomposition for Mg rechargeable batteries. <i>Journal of Power Sources</i> , 2019, 435, 226822.	4.0	35
39	Formation of Cu Nanoparticles by Electroless Deposition Using Aqueous CuO Suspension. <i>Journal of the Electrochemical Society</i> , 2008, 155, D474.	1.3	34
40	EQCM analysis of redox behavior of Prussian blue in a lithium battery electrolyte. <i>Journal of Materials Chemistry A</i> , 2014, 2, 8041.	5.2	34
41	Evaluation of elastic strain energy associated with the formation of hydride precipitates in LaNi <sub>5</sub> . <i>Intermetallics</i> , 2000, 8, 613-618.	1.8	33
42	Anisotropic Yield Behavior of Lotus-Type Porous Iron: Measurements and Micromechanical Mean-Field Analysis. <i>Journal of Materials Research</i> , 2005, 20, 135-143.	1.2	33
43	Thermal stability of MnO <sub>2</sub> polymorphs. <i>Journal of Solid State Chemistry</i> , 2022, 305, 122683.	1.4	33
44	Effect of Applied Stress on fcc-L1 <sub>0</sub> Transformation of FePd Single Crystal. <i>Materials Transactions, JIM</i> , 1998, 39, 24-30.	0.9	32
45	Synthesis of Spinel-Type Magnesium Cobalt Oxide and Its Electrical Conductivity. <i>Materials Transactions</i> , 2008, 49, 824-828.	0.4	32
46	Accelerated Kinetics Revealing Metastable Pathways of Magnesium-Induced Transformations in MnO <sub>2</sub> Polymorphs. <i>Chemistry of Materials</i> , 2021, 33, 6983-6996.	3.2	32
47	Single-crystal elastic constants of disordered and ordered FePd. <i>Journal of Applied Physics</i> , 2004, 96, 6220-6223.	1.1	31
48	Effective-mean-field approach for macroscopic elastic constants of composites. <i>Applied Physics Letters</i> , 2004, 85, 197-199.	1.5	31
49	A new aspect of Chevrel compounds as positive electrodes for magnesium batteries. <i>Journal of Materials Chemistry A</i> , 2014, 2, 14858-14866.	5.2	31
50	Elastic anisotropy of rafted Ni-base superalloy at high temperatures. <i>Acta Materialia</i> , 2003, 51, 4863-4869.	3.8	30
51	Constructing metal-anode rechargeable batteries utilizing concomitant intercalation of Li <sup>+</sup> /Mg dual cations into Mo <sub>6</sub> S <sub>8</sub> . <i>Journal of Materials Chemistry A</i> , 2017, 5, 3534-3540.	5.2	30
52	Electrochemical Stability of Metal Electrodes for Reversible Magnesium Deposition/Dissolution in Tetrahydrofuran Dissolving Ethylmagnesium Chloride. <i>ECS Electrochemistry Letters</i> , 2012, 1, D11-D14.	1.9	29
53	High oxide-ion conductivity of monovalent-metal-doped bismuth vanadate at intermediate temperatures. <i>Solid State Ionics</i> , 2010, 181, 719-723.	1.3	28
54	Formation of Mono-variant L1 <sub>0</sub> Structure on Ordering of FePd under Magnetic Fields. <i>Materials Transactions, JIM</i> , 2000, 41, 917-922.	0.9	27

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55	Electronic structure of Pd <sub>42.5</sub> Ni <sub>7.5</sub> Cu <sub>30</sub> P <sub>20</sub> , an excellent bulk metallic glass former: Comparison to the Pd <sub>40</sub> Ni <sub>40</sub> P <sub>20</sub> reference glass. <i>Acta Materialia</i> , 2007, 55, 3413-3419.	3.8	27
56	Influence of Mechanical Strain on the Electrochemical Lithiation of Aluminum-Based Electrode Materials. <i>Journal of the Electrochemical Society</i> , 2011, 159, A14-A17.	1.3	27
57	Roles of transition metals interchanging with lithium in electrode materials. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 14064-14070.	1.3	27
58	Elastically constrained phase-separation dynamics competing with the charge process in the LiFePO <sub>4</sub> /FePO <sub>4</sub> system. <i>Journal of Materials Chemistry A</i> , 2013, 1, 2567.	5.2	26
59	Feasible transformation of MgCo <sub>2</sub> O <sub>4</sub> from spinel to defect rocksalt structure under electron irradiation. <i>Scripta Materialia</i> , 2019, 167, 26-30.	2.6	26
60	Low-temperature acoustic properties and quasiharmonic analysis for Cu-based bulk metallic glasses. <i>Physical Review B</i> , 2007, 76, .	1.1	25
61	Spinel→rocksalt transition as a key cathode reaction toward high-energy-density magnesium rechargeable batteries. <i>Current Opinion in Electrochemistry</i> , 2020, 21, 93-99.	2.5	25
62	Local Structure and Glass Transition in Zr-Based Binary Amorphous Alloys. <i>Materials Transactions</i> , 2005, 46, 2282-2286.	0.4	24
63	Oxidation-State Control of Nanoparticles Synthesized via Chemical Reduction Using Potential Diagrams. <i>Journal of the Electrochemical Society</i> , 2009, 156, D321.	1.3	24
64	Effects of water content on magnesium deposition from a Grignard reagent-based tetrahydrofuran electrolyte. <i>Research on Chemical Intermediates</i> , 2014, 40, 3-9.	1.3	24
65	Elastic constants of lotus-type porous magnesium: Comparison with effective-mean-field theory. <i>Journal of Applied Physics</i> , 2004, 96, 3696-3701.	1.1	22
66	Elastic constant measurement of Ni-base superalloy with the RUS and mode selective EMAR methods. <i>Ultrasonics</i> , 2002, 40, 211-215.	2.1	21
67	Electrochemical Behavior of Magnesium Alloys in Alkali Metal-TFSA Ionic Liquid for Magnesium-Battery Negative Electrode. <i>Journal of the Electrochemical Society</i> , 2014, 161, A943-A947.	1.3	21
68	Catalytic mechanism of spinel oxides for oxidative electrolyte decomposition in Mg rechargeable batteries. <i>Journal of Materials Chemistry A</i> , 2021, 9, 26401-26409.	5.2	21
69	Elastic stiffness and ultrasonic attenuation of superconductor MgB <sub>2</sub> at low temperatures. <i>Physical Review B</i> , 2002, 66, .	1.1	20
70	Structural study of Zr-based metallic glasses. <i>Journal of Alloys and Compounds</i> , 2007, 434-435, 119-120.	2.8	20
71	Heating rate dependence of T <sub>g</sub> and T <sub>x</sub> in Zr-based BMGs with characteristic structures. <i>Journal of Alloys and Compounds</i> , 2009, 483, 8-13.	2.8	20
72	Crystallization Behavior and Structural Stability of Zr <sub>50</sub> Cu <sub>40</sub> Al <sub>10</sub> Bulk Metallic Glass. <i>Materials Transactions</i> , 2009, 50, 1340-1345.	0.4	20

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73	Time-Resolved Coherent Diffraction of Ultrafast Structural Dynamics in a Single Nanowire. Nano Letters, 2014, 14, 2413-2418.	4.5	20
74	Influence of the elastic strain on the band structure of ellipsoidal SiGe coherently embedded in the Si matrix. Journal of Applied Physics, 2003, 94, 916-920.	1.1	19
75	On the preferential formation of anatase in amorphous titanium oxide film. Scripta Materialia, 2005, 53, 1019-1023.	2.6	19
76	Static heterogeneity in metallic glasses and its correlation to physical properties. Journal of Non-Crystalline Solids, 2011, 357, 494-500.	1.5	19
77	Transverse excitations in liquid Ga. European Physical Journal: Special Topics, 2011, 196, 85-93.	1.2	19
78	Elasticity and anelasticity of metallic glass near the glass transition temperature. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2006, 442, 278-282.	2.6	18
79	Precipitation of the $Zr_{50}Cu_{50}$ phase in $Zr_{50}Cu_{50}Al_x$ ( $x = 0, 4, 6$ ) metallic glasses by rapidly heating and cooling. Journal of Materials Research, 2010, 25, 793-800.	1.2	18
80	What determines the critical size for phase separation in LiFePO <sub>4</sub> in lithium ion batteries?. Journal of Materials Chemistry A, 2013, 1, 14532.	5.2	18
81	Interpretation in elastic regime for rafting of Ni-base superalloy based on the external-stress-free dimensional change due to internal-stress equilibration. Acta Materialia, 2005, 53, 4497-4504.	3.8	17
82	Inhomogeneity and glass-forming ability in the bulk metallic glass $Pd_{42.5}Cu_{47.5}$ . Physical Review B, 2009, 80, .	11	17
83	Elastic property of aged duplex stainless steel. Scripta Materialia, 2003, 48, 229-234.	2.6	16
84	Elastic-stiffness coefficients of a silicon carbide fibre at elevated temperatures: Acoustic spectroscopy and micromechanics modelling. Philosophical Magazine, 2003, 83, 503-512.	0.7	16
85	Interfacial reaction of gas-atomized Sn-Zn solder containing Ni and Cu additives. Journal of Alloys and Compounds, 2009, 484, 185-189.	2.8	16
86	Exchange-coupling of c-axis oriented L <sub>1</sub> -FePd and Fe in FePd/Fe thin films. Applied Physics Letters, 2010, 97, .	1.5	16
87	Elastic anisotropy and incohesive bond of chemical-vapor-deposition diamond film: Acoustic resonance measurements and micromechanics modeling. Journal of Applied Physics, 2003, 94, 6405-6410.	1.1	15
88	Formation of Nickel Nanoparticles by Electroless Deposition Using NiO and Ni(OH) <sub>2</sub> Suspensions. Journal of the Electrochemical Society, 2008, 155, D583.	1.3	15
89	Elastic inhomogeneity and acoustic phonons in Pd-, Pt-, and Zr-based metallic glasses. Physical Review B, 2010, 81, .	1.1	15
90	Revisit to diffraction anomalous fine structure. Journal of Synchrotron Radiation, 2014, 21, 1247-1251.	1.0	14

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91	Strain-Induced Stabilization of Charged State in Li-Rich Layered Transition-Metal Oxide for Lithium-Ion Batteries. <i>Journal of Physical Chemistry C</i> , 2018, 122, 19298-19308.	1.5	14
92	Electrochemically Induced Strain Evolution in Pt-Ni Alloy Nanoparticles Observed by Bragg Coherent Diffraction Imaging. <i>Nano Letters</i> , 2021, 21, 5945-5951.	4.5	14
93	Construction of supramolecular polymer hydrogel electrolyte with ionic channels for flexible supercapacitors. <i>Materials Chemistry Frontiers</i> , 0, , .	3.2	13
94	Elastic instability condition of the raft structure during creep deformation in nickel-base superalloys. <i>Acta Materialia</i> , 2008, 56, 3786-3790.	3.8	12
95	Low-temperature elastic moduli of a Pd-based metallic glass showing positive phonon dispersion. <i>Physical Review B</i> , 2008, 78, .	1.1	12
96	Diffusionless isothermal omega transformation in titanium alloys driven by quenched-in compositional fluctuations. <i>Physical Review Materials</i> , 2019, 3, .	0.9	12
97	Evolution of Internal Stress Field in Ni-Base Superalloy through Creep Deformation. <i>Materials Science Forum</i> , 2005, 475-479, 619-622.	0.3	11
98	On the stability of chemical order in small ordered-alloy particles. <i>Philosophical Magazine</i> , 2005, 85, 855-865.	0.7	11
99	Glass-to-liquid transition in zirconium and palladium based metallic glasses. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2007, 449-451, 506-510.	2.6	11
100	A Pseudoternary Phase Diagram of the BaO-ZrO <sub>2</sub> -Sc <sub>2</sub> O <sub>3</sub> System at 1600°C and Solubility of Scandia into Barium Zirconate. <i>Journal of Phase Equilibria and Diffusion</i> , 2007, 28, 517-522.	0.5	11
101	Crystallization accelerated by ultrasound in Pd-based metallic glasses. <i>Journal of Alloys and Compounds</i> , 2007, 434-435, 194-195.	2.8	10
102	Phase classification, electrical conductivity, and thermal stability of Bi <sub>2</sub> (V <sub>0.95</sub> TM <sub>0.05</sub> )O <sub>5.5+δ</sub> (TM: Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.3	10
103	Control of c-axis orientation of L1 <sub>0</sub> -FePd in dual-phase-equilibrium FePd/Fe thin films. <i>Journal of Applied Physics</i> , 2011, 109, 033513.	1.1	10
104	Time-resolved Bragg coherent X-ray diffraction revealing ultrafast lattice dynamics in nano-thickness crystal layer using X-ray free electron laser. <i>Journal of the Ceramic Society of Japan</i> , 2013, 121, 283-286.	0.5	10
105	Decreasing activation energy of fast relaxation processes in a metallic glass during aging. <i>Physical Review B</i> , 2019, 99, .	1.1	10
106	Fabrication of Isolated FePd Nanoparticles by Sputtering and Heat Treatment. <i>Japanese Journal of Applied Physics</i> , 2003, 42, 2858-2859.	0.8	9
107	Incident Photon-Energy Dependence of the Electronic Density of States in Pd <sub>42.5</sub> Ni <sub>7.5</sub> Cu <sub>30</sub> P <sub>20</sub> Metallic Glass. <i>Materials Transactions</i> , 2005, 46, 2803-2806.	0.4	9
108	Extended mean-field method for predicting yield behaviors of porous materials. <i>Mechanics of Materials</i> , 2007, 39, 53-63.	1.7	9

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109	Structural inhomogeneity of metallic glass observed by ultrasonic and inelastic X-ray scattering measurements. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2009, 521-522, 236-242.	2.6	9
110	Dynamic Relaxation of Pd <sub>42.5</sub> Ni <sub>7.5</sub> Cu <sub>30</sub> P <sub>20</sub> Metallic Glass. <i>Funtai Oyobi Fummatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy</i> , 2013, 60, 228-235.	0.1	9
111	Nitrogen doping-induced local structure change in a Cr <sub>2</sub> Ge <sub>2</sub> Te <sub>6</sub> inverse resistance phase-change material. <i>Materials Advances</i> , 2020, 1, 2426-2432.	2.6	9
112	Configurational free energy in order-disorder transitions from Monte Carlo calculations for systems under external fields. <i>Physical Review B</i> , 1999, 60, 9198-9201.	1.1	8
113	Effects of External Magnetic Field on FePt Films during Heat Treatment. <i>Japanese Journal of Applied Physics</i> , 2004, 43, 273-276.	0.8	8
114	Correlation of dynamic and quasistatic relaxations: The Cox-Merz rule for metallic glass. <i>Applied Physics Letters</i> , 2009, 95, .	1.5	8
115	Nonthermal Dynamics of Dielectric Functions in a Resonantly Bonded Photoexcited Material. <i>Advanced Functional Materials</i> , 2020, 30, 2002821.	7.8	8
116	Thermal fluctuation for the time-dependent Ginzburg-Landau simulation. <i>Physical Review E</i> , 2001, 63, 060101.	0.8	7
117	Ultrasound-Induced Structural Anomaly of Supercooled Liquid in Some Bulk Metallic Glasses. <i>Materials Transactions</i> , 2004, 45, 1189-1193.	0.4	7
118	Two distinct crystallization processes in supercooled liquid. <i>Journal of Chemical Physics</i> , 2016, 144, 194505.	1.2	7
119	Effects of solute oxygen on kinetics of diffusionless isothermal $\beta$ transformation in $\beta$ -titanium alloys. <i>Scripta Materialia</i> , 2020, 188, 88-91.	2.6	7
120	Temperature dependence of elastic constants of lotus-type porous copper. <i>Materials Letters</i> , 2004, 58, 1819-1824.	1.3	6
121	Low-temperature crystallization caused by ultrasound in Pd <sub>42.5</sub> Ni <sub>7.5</sub> Cu <sub>30</sub> P <sub>20</sub> and Pd <sub>40</sub> Ni <sub>40</sub> P <sub>20</sub> bulk metallic glasses. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2006, 442, 273-277.	2.6	6
122	Partial structure of Pd <sub>42.5</sub> Ni <sub>7.5</sub> Cu <sub>30</sub> P <sub>20</sub> bulk metallic glass: Comparison to the reference Pd <sub>40</sub> Ni <sub>40</sub> P <sub>20</sub> glass. <i>Journal of Physics: Conference Series</i> , 2008, 98, 012013.	0.3	6
123	Research Update: Retardation and acceleration of phase separation evaluated from observation of imbalance between structure and valence in LiFePO <sub>4</sub> /FePO <sub>4</sub> electrode. <i>APL Materials</i> , 2014, 2, 070701.	2.2	6
124	Electrochemical lithium intercalation behavior of pristine and milled hexagonal boron nitride. <i>Journal of Electroanalytical Chemistry</i> , 2017, 799, 263-269.	1.9	6
125	Atomistic study on simultaneous achievement of partial crystallization and rejuvenated glassy structure in thermal process of metallic glasses. <i>Philosophical Magazine</i> , 2022, 102, 1209-1230.	0.7	6
126	Influences of Enhanced Entropy in Layered Rocksalt Oxide Cathodes for Lithium-Ion Batteries. <i>ACS Applied Energy Materials</i> , 2022, 5, 4369-4381.	2.5	6

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127	Local Structure around Pd Atoms in Pd <sub>42.5</sub> Ni <sub>7.5</sub> Cu <sub>30</sub> P <sub>20</sub> Excellent Glass-Former Studied by Anomalous X-ray Scattering. <i>Materials Transactions</i> , 2007, 48, 2358-2361.	0.4	5
128	Electrochemically synthesized liquid-sulfur/sulfide composite materials for high-rate magnesium battery cathodes. <i>Journal of Materials Chemistry A</i> , 2021, 9, 16585-16593.	5.2	5
129	Search for vacancies in concentrated solid-solution alloys with fcc crystal structure. <i>Physical Review Materials</i> , 2020, 4, .	0.9	5
130	Excellently balanced water-intercalation-type heat-storage oxide. <i>Nature Communications</i> , 2022, 13, 1452.	5.8	5
131	Nonthermal melting of charge density wave order via nucleation in $\text{VTe}_2$ . <i>Physical Review B</i> , 2022, 105, .		
132	Partial structure of Pd <sub>42</sub> :5Ni <sub>7</sub> :5Cu <sub>30</sub> P <sub>20</sub> bulk metallic glass. <i>Journal of Physics: Conference Series</i> , 2009, 144, 012055.	0.3	4
133	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> ±x. <i>Journal of Alloys and Compounds</i> , 2011, 509, 5833-5838.	2.8	4
134	In Situ Observation of Tin Negative Electrode / Electrolyte Interface by X-ray Reflectivity. <i>ECS Transactions</i> , 2013, 50, 31-37.	0.3	4
135	Phonon Excitations in Pd <sub>40</sub> Ni <sub>40</sub> P <sub>20</sub> Bulk Metallic Glass by Inelastic X-Ray Scattering. <i>Materials Science Forum</i> , 0, 879, 767-772.	0.3	4
136	Dendrite-free alkali metal electrodeposition from contact-ion-pair state induced by mixing alkaline earth cation. <i>Cell Reports Physical Science</i> , 2022, 3, 100907.	2.8	4
137	Atomizing Effect on Sn-Zn Based Solder Alloy. <i>Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals</i> , 2006, 70, 162-165.	0.2	3
138	Dynamic viscoelasticity of Zr-Al-Ni-Cu metallic glass in the glass transition region. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2009, 521-522, 232-235.	2.6	3
139	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> , 2010, 51, 561-566.	0.4	3
140	Structural modification by adding Li cations into Mg/Cs-TFSA molten salt facilitating Mg electrodeposition. <i>RSC Advances</i> , 2015, 5, 3063-3069.	1.7	3
141	Direct observation of elastic softening immediately after femtosecond-laser excitation in a phase-change material. <i>Physical Review B</i> , 2020, 101, .	1.1	3
142	Crystallization of Zr <sub>50</sub> Cu <sub>40</sub> Al <sub>10</sub> Metallic Glass by Rapid Heating Process. <i>Zairyo/Journal of the Society of Materials Science, Japan</i> , 2009, 58, 205-208.	0.1	3
143	Elastic constants predicted from sintered porous MgB <sub>2</sub> via micromechanics modeling. <i>Materials Letters</i> , 2003, 57, 3910-3913.	1.3	2
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