

Tetsu Ichitsubo

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172
papers

3,647
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52
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182
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4,095
ext. citations

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avg, IF

5.25
L-index

#	Paper	IF	Citations
172	Microstructure of fragile metallic glasses inferred from ultrasound-accelerated crystallization in Pd-based metallic glasses. <i>Physical Review Letters</i> , 2005 , 95, 245501	7.4	270
171	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, 4505-10	11.5	174
170	Potential positive electrodes for high-voltage magnesium-ion batteries. <i>Journal of Materials Chemistry</i> , 2011 , 21, 11764		124
169	Intercalation and Push-Out Process with Spinel-to-Rocksalt Transition on Mg Insertion into Spinel Oxides in Magnesium Batteries. <i>Advanced Science</i> , 2015 , 2, 1500072	13.6	117
168	A concept of dual-salt polyvalent-metal storage battery. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 1144-1149	13.49	116
167	Transverse acoustic excitations in liquid Ga. <i>Physical Review Letters</i> , 2009 , 102, 105502	7.4	107
166	Single-crystal elastic constants of gamma-TiAl. <i>Philosophical Magazine Letters</i> , 1996 , 73, 71-78	1	94
165	Electrochemical Stability of Magnesium Battery Current Collectors in a Grignard Reagent-Based Electrolyte. <i>Journal of the Electrochemical Society</i> , 2013 , 160, C83-C88	3.9	90
164	Rafting mechanism for Ni-base superalloy under external stress: elastic or elastic-plastic phenomena?. <i>Acta Materialia</i> , 2003 , 51, 4033-4044	8.4	72
163	Elastic properties of lotus-type porous iron: acoustic measurement and extended effective-mean-field theory. <i>Acta Materialia</i> , 2004 , 52, 5195-5201	8.4	66
162	Anisotropic elastic constants of lotus-type porous copper: measurements and micromechanics modeling. <i>Acta Materialia</i> , 2002 , 50, 4105-4115	8.4	65
161	Effect of external fields on ordering of FePd. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2001 , 312, 118-127	5.3	65
160	Toward blocking-chair type MgLi dual-salt batteries. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 10188-10194	13	64
159	Preferential formation of anatase in laser-ablated titanium dioxide films. <i>Acta Materialia</i> , 2005 , 53, 323-329	11.4	59
158	Effects of volume strain due to LiSn compound formation on electrode potential in lithium-ion batteries. <i>Acta Materialia</i> , 2008 , 56, 1539-1545	8.4	57
157	Ultrasound-induced crystallization around the glass transition temperature for Pd ₄₀ Ni ₄₀ P ₂₀ metallic glass. <i>Acta Materialia</i> , 2004 , 52, 423-429	8.4	55
156	Circumventing huge volume strain in alloy anodes of lithium batteries. <i>Nature Communications</i> , 2020 , 11, 1584	17.4	54

155	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	3.3	50
154	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	3.9	47
153	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	5.7	47
152	Elastic and anelastic behavior of Zr55Al10Ni5Cu30 bulk metallic glass around the glass transition temperature under ultrasonic excitation. <i>Scripta Materialia</i> , 2003 , 49, 267-271	5.6	46
151	Glass-liquid transition in a less-stable metallic glass. <i>Physical Review B</i> , 2005 , 72,	3.3	45
150	Three-dimensional nanoelectrode by metal nanowire nonwoven clothes. <i>Nano Letters</i> , 2014 , 14, 1932-7	11.5	43
149	Mechanical-energy influences to electrochemical phenomena in lithium-ion batteries. <i>Journal of Materials Chemistry</i> , 2011 , 21, 2701		42
148	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	3.9	39
147	Mechanism of c-axis orientation of L10 FePt in nanostructured FePt/B2O3 thin films. <i>Physical Review B</i> , 2008 , 77,	3.3	39
146	Zinc-based spinel cathode materials for magnesium rechargeable batteries: toward the reversible spinel/rocksalt transition. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 12225-12235	13	36
145	Fast Diffusion of Multivalent Ions Facilitated by Concerted Interactions in Dual-Ion Battery Systems. <i>Advanced Energy Materials</i> , 2018 , 8, 1801475	21.8	36
144	Surface-layer formation by reductive decomposition of LiPF6 at relatively high potentials on negative electrodes in lithium ion batteries and its suppression. <i>Journal of Power Sources</i> , 2014 , 271, 431-436	8.9	32
143	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,	3.3	32
142	Initial Atomic Motion Immediately Following Femtosecond-Laser Excitation in Phase-Change Materials. <i>Physical Review Letters</i> , 2016 , 117, 135501	7.4	32
141	Anisotropic yield behavior of lotus-type porous iron: Measurements and micromechanical mean-field analysis. <i>Journal of Materials Research</i> , 2005 , 20, 135-143	2.5	31
140	Evaluation of elastic strain energy associated with the formation of hydride precipitates in LaNi5. <i>Intermetallics</i> , 2000 , 8, 613-618	3.5	31
139	Effect of Applied Stress on fcc-L10 Transformation of FePd Single Crystal. <i>Materials Transactions, JIM</i> , 1998 , 39, 24-30		31
138	Formation of Cu Nanoparticles by Electroless Deposition Using Aqueous CuO Suspension. <i>Journal of the Electrochemical Society</i> , 2008 , 155, D474	3.9	29

137	Effective-mean-field approach for macroscopic elastic constants of composites. <i>Applied Physics Letters</i> , 2004 , 85, 197-199	3.4	29
136	Solvation-Structure Modification by Concentrating Mg(TFSA)-MgCl-Triglyme Ternary Electrolyte. <i>Journal of Physical Chemistry Letters</i> , 2018 , 9, 4732-4737	6.4	28
135	EQCM analysis of redox behavior of Prussian blue in a lithium battery electrolyte. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 8041	13	28
134	Electrochemical Stability of Metal Electrodes for Reversible Magnesium Deposition/Dissolution in Tetrahydrofuran Dissolving Ethylmagnesium Chloride. <i>ECS Electrochemistry Letters</i> , 2012 , 1, D11-D14		28
133	Single-crystal elastic constants of disordered and ordered FePd. <i>Journal of Applied Physics</i> , 2004 , 96, 6220-6223	2.5	28
132	Synthesis of Binary Magnesium-Transition Metal Oxides via Inverse Coprecipitation. <i>Japanese Journal of Applied Physics</i> , 2013 , 52, 025501	1.4	27
131	Elastically constrained phase-separation dynamics competing with the charge process in the LiFePO ₄ /FePO ₄ system. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 2567	13	26
130	Elastic anisotropy of rafted Ni-base superalloy at high temperatures. <i>Acta Materialia</i> , 2003 , 51, 4863-4869	9.4	26
129	Formation of Mono-variant L10 Structure on Ordering of FePd under Magnetic Fields. <i>Materials Transactions, JIM</i> , 2000 , 41, 917-922		26
128	Suppressive effect of Fe cations in Mg(Mn _{1-x} Fe _x) ₂ O ₄ positive electrodes on oxidative electrolyte decomposition for Mg rechargeable batteries. <i>Journal of Power Sources</i> , 2019 , 435, 226822	8.9	25
127	Synthesis of Spinel-Type Magnesium Cobalt Oxide and Its Electrical Conductivity. <i>Materials Transactions</i> , 2008 , 49, 824-828	1.3	25
126	Electronic structure of Pd _{42.5} Ni _{7.5} Cu ₃₀ P ₂₀ , an excellent bulk metallic glass former: Comparison to the Pd ₄₀ Ni ₄₀ P ₂₀ reference glass. <i>Acta Materialia</i> , 2007 , 55, 3413-3419	8.4	25
125	Roles of transition metals interchanging with lithium in electrode materials. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 14064-70	3.6	24
124	A new aspect of Chevrel compounds as positive electrodes for magnesium batteries. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 14858-14866	13	24
123	High oxide-ion conductivity of monovalent-metal-doped bismuth vanadate at intermediate temperatures. <i>Solid State Ionics</i> , 2010 , 181, 719-723	3.3	24
122	Low-temperature acoustic properties and quasiharmonic analysis for Cu-based bulk metallic glasses. <i>Physical Review B</i> , 2007 , 76,	3.3	24
121	Distortion of Local Atomic Structures in Amorphous Ge-Sb-Te Phase Change Materials. <i>Physical Review Letters</i> , 2018 , 120, 205502	7.4	24
120	Local Structure and Glass Transition in Zr-Based Binary Amorphous Alloys. <i>Materials Transactions</i> , 2005 , 46, 2282-2286	1.3	23

119	Electrochemical phase transformation accompanied with Mg extraction and insertion in a spinel MgMnO cathode material. <i>Physical Chemistry Chemical Physics</i> , 2019 , 21, 23749-23757	3.6	22
118	Oxidation-State Control of Nanoparticles Synthesized via Chemical Reduction Using Potential Diagrams. <i>Journal of the Electrochemical Society</i> , 2009 , 156, D321	3.9	21
117	Elastic constants of lotus-type porous magnesium: Comparison with effective-mean-field theory. <i>Journal of Applied Physics</i> , 2004 , 96, 3696-3701	2.5	21
116	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	3.9	20
115	Influence of Mechanical Strain on the Electrochemical Lithiation of Aluminum-Based Electrode Materials. <i>Journal of the Electrochemical Society</i> , 2011 , 159, A14-A17	3.9	20
114	Effects of water content on magnesium deposition from a Grignard reagent-based tetrahydrofuran electrolyte. <i>Research on Chemical Intermediates</i> , 2014 , 40, 3-9	2.8	18
113	Heating rate dependence of T _g and T _x in Zr-based BMGs with characteristic structures. <i>Journal of Alloys and Compounds</i> , 2009 , 483, 8-13	5.7	18
112	Structural study of Zr-based metallic glasses. <i>Journal of Alloys and Compounds</i> , 2007 , 434-435, 119-120	5.7	18
111	Elasticity and anelasticity of metallic glass near the glass transition temperature. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2006 , 442, 278-282	5.3	18
110	Elastic constant measurement of Ni-base superalloy with the RUS and mode selective EMAR methods. <i>Ultrasonics</i> , 2002 , 40, 211-5	3.5	18
109	Influence of the elastic strain on the band structure of ellipsoidal SiGe coherently embedded in the Si matrix. <i>Journal of Applied Physics</i> , 2003 , 94, 916-920	2.5	18
108	Structure Design of Long-Life Spinel-Oxide Cathode Materials for Magnesium Rechargeable Batteries. <i>Advanced Materials</i> , 2021 , 33, e2007539	24	18
107	What determines the critical size for phase separation in LiFePO ₄ in lithium ion batteries?. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 14532	13	17
106	Crystallization Behavior and Structural Stability of Zr ₅₀ Cu ₄₀ Al ₁₀ Bulk Metallic Glass. <i>Materials Transactions</i> , 2009 , 50, 1340-1345	1.3	17
105	Interpretation in elastic regime for rafting of Ni-base superalloy based on the external-stress-free dimensional change due to internal-stress equilibration. <i>Acta Materialia</i> , 2005 , 53, 4497-4504	8.4	17
104	Elastic stiffness and ultrasonic attenuation of superconductor MgB ₂ at low temperatures. <i>Physical Review B</i> , 2002 , 66,	3.3	17
103	Constructing metal-anode rechargeable batteries utilizing concomitant intercalation of Li/Mg dual cations into Mo ₆ S ₈ . <i>Journal of Materials Chemistry A</i> , 2017 , 5, 3534-3540	13	16
102	Time-resolved coherent diffraction of ultrafast structural dynamics in a single nanowire. <i>Nano Letters</i> , 2014 , 14, 2413-8	11.5	16

101	Transverse excitations in liquid Ga. <i>European Physical Journal: Special Topics</i> , 2011 , 196, 85-93	2.3	16
100	On the preferential formation of anatase in amorphous titanium oxide film. <i>Scripta Materialia</i> , 2005 , 53, 1019-1023	5.6	16
99	Feasible transformation of MgCo ₂ O ₄ from spinel to defect rocksalt structure under electron irradiation. <i>Scripta Materialia</i> , 2019 , 167, 26-30	5.6	15
98	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	7.2	15
97	Static heterogeneity in metallic glasses and its correlation to physical properties. <i>Journal of Non-Crystalline Solids</i> , 2011 , 357, 494-500	3.9	15
96	Exchange-coupling of c-axis oriented L ₁₀ FePd and Fe in FePd/Fe thin films. <i>Applied Physics Letters</i> , 2010 , 97, 182508	3.4	15
95	Inhomogeneity and glass-forming ability in the bulk metallic glass Pd _{42.5} Ni _{7.5} Cu ₃₀ P ₂₀ as seen via x-ray spectroscopies. <i>Physical Review B</i> , 2009 , 80,	3.3	15
94	Formation of Nickel Nanoparticles by Electroless Deposition Using NiO and Ni(OH) ₂ Suspensions. <i>Journal of the Electrochemical Society</i> , 2008 , 155, D583	3.9	15
93	Interfacial reaction of gas-atomized Sn ₂ Zn solder containing Ni and Cu additives. <i>Journal of Alloys and Compounds</i> , 2009 , 484, 185-189	5.7	14
92	Precipitation of the ZrCu B ₂ phase in Zr ₅₀ Cu _{50-x} Al _x (x = 0, 4, 6) metallic glasses by rapidly heating and cooling. <i>Journal of Materials Research</i> , 2010 , 25, 793-800	2.5	14
91	Elastic property of aged duplex stainless steel. <i>Scripta Materialia</i> , 2003 , 48, 229-234	5.6	14
90	Elastic-stiffness coefficients of a silicon carbide fibre at elevated temperatures: Acoustic spectroscopy and micromechanics modelling. <i>Philosophical Magazine</i> , 2003 , 83, 503-512	1.6	14
89	Revisit to diffraction anomalous fine structure. <i>Journal of Synchrotron Radiation</i> , 2014 , 21, 1247-51	2.4	13
88	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	3.8	12
87	Elastic anisotropy and incohesive bond of chemical-vapor-deposition diamond film: Acoustic resonance measurements and micromechanics modeling. <i>Journal of Applied Physics</i> , 2003 , 94, 6405-6410	2.5	12
86	Elastic inhomogeneity and acoustic phonons in Pd-, Pt-, and Zr-based metallic glasses. <i>Physical Review B</i> , 2010 , 81,	3.3	11
85	Glass-to-liquid transition in zirconium and palladium based metallic glasses. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2007 , 449-451, 506-510	5.3	11
84	On the stability of chemical order in small ordered-alloy particles. <i>Philosophical Magazine</i> , 2005 , 85, 855-865	3.65	11

83	Evolution of Internal Stress Field in Ni-Base Superalloy through Creep Deformation. <i>Materials Science Forum</i> , 2005 , 475-479, 619-622	0.4	11
82	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	1	10
81	Control of c-axis orientation of L10-FePd in dual-phase-equilibrium FePd/Fe thin films. <i>Journal of Applied Physics</i> , 2011 , 109, 033513	2.5	10
80	Phase classification, electrical conductivity, and thermal stability of Bi ₂ (V _{0.95} TM _{0.05})O _{5.5} + \square (TM: transition metal). <i>Solid State Ionics</i> , 2010 , 181, 1279-1286	3.3	10
79	A Pseudoternary Phase Diagram of the BaO-ZrO ₂ -ScO _{1.5} System at 1600 °C and Solubility of Scandia into Barium Zirconate. <i>Journal of Phase Equilibria and Diffusion</i> , 2007 , 28, 517-522	1	10
78	Accelerated Kinetics Revealing Metastable Pathways of Magnesianation-Induced Transformations in MnO ₂ Polymorphs. <i>Chemistry of Materials</i> , 2021 , 33, 6983-6996	9.6	10
77	Incident Photon-Energy Dependence of the Electronic Density of States in Pd _{42.5} Ni _{7.5} Cu ₃₀ P ₂₀ Metallic Glass. <i>Materials Transactions</i> , 2005 , 46, 2803-2806	1.3	9
76	Structural inhomogeneity of metallic glass observed by ultrasonic and inelastic X-ray scattering measurements. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2009 , 521-522, 236-242	5.3	8
75	Elastic instability condition of the raft structure during creep deformation in nickel-base superalloys. <i>Acta Materialia</i> , 2008 , 56, 3786-3790	8.4	8
74	Effects of External Magnetic Field on FePt Films during Heat Treatment. <i>Japanese Journal of Applied Physics</i> , 2004 , 43, 273-276	1.4	8
73	Correlation of dynamic and quasistatic relaxations: The CoxMerz rule for metallic glass. <i>Applied Physics Letters</i> , 2009 , 95, 231911	3.4	7
72	Low-temperature elastic moduli of a Pd-based metallic glass showing positive phonon dispersion. <i>Physical Review B</i> , 2008 , 78,	3.3	7
71	Extended mean-field method for predicting yield behaviors of porous materials. <i>Mechanics of Materials</i> , 2007 , 39, 53-63	3.3	7
70	Crystallization accelerated by ultrasound in Pd-based metallic glasses. <i>Journal of Alloys and Compounds</i> , 2007 , 434-435, 194-195	5.7	7
69	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	3.3	7
68	Diffusionless isothermal omega transformation in titanium alloys driven by quenched-in compositional fluctuations. <i>Physical Review Materials</i> , 2019 , 3,	3.2	7
67	Metalloid substitution elevates simultaneously the strength and ductility of face-centered-cubic high-entropy alloys. <i>Acta Materialia</i> , 2022 , 225, 117571	8.4	7
66	Research Update: Retardation and acceleration of phase separation evaluated from observation of imbalance between structure and valence in LiFePO ₄ /FePO ₄ electrode. <i>APL Materials</i> , 2014 , 2, 070701	5.7	6

65	Dynamic Relaxation of Pd _{42.5} Ni _{7.5} Cu ₃₀ P ₂₀ Metallic Glass. <i>Funtai Oyobi Fummatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy</i> , 2013 , 60, 228-235	0.2	6
64	Fabrication of Isolated FePd Nanoparticles by Sputtering and Heat Treatment. <i>Japanese Journal of Applied Physics</i> , 2003 , 42, 2858-2859	1.4	6
63	Temperature dependence of elastic constants of lotus-type porous copper. <i>Materials Letters</i> , 2004 , 58, 1819-1824	3.3	6
62	Ultrasound-Induced Structural Anomaly of Supercooled Liquid in Some Bulk Metallic Glasses. <i>Materials Transactions</i> , 2004 , 45, 1189-1193	1.3	6
61	Partial structure of Pd _{42.5} Ni _{7.5} Cu ₃₀ P ₂₀ bulk metallic glass: Comparison to the reference Pd ₄₀ Ni ₄₀ P ₂₀ glass. <i>Journal of Physics: Conference Series</i> , 2008 , 98, 012013	0.3	5
60	Low-temperature crystallization caused by ultrasound in Pd _{42.5} Ni _{7.5} Cu ₃₀ P ₂₀ and Pd ₄₀ Ni ₄₀ P ₂₀ bulk metallic glasses. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2006 , 442, 273-277	5.3	5
59	Two distinct crystallization processes in supercooled liquid. <i>Journal of Chemical Physics</i> , 2016 , 144, 194505	0.5	5
58	Construction of supramolecular polymer hydrogel electrolyte with ionic channels for flexible supercapacitors. <i>Materials Chemistry Frontiers</i> ,	7.8	5
57	Electrochemical lithium intercalation behavior of pristine and milled hexagonal boron nitride. <i>Journal of Electroanalytical Chemistry</i> , 2017 , 799, 263-269	4.1	4
56	Nonthermal Dynamics of Dielectric Functions in a Resonantly Bonded Photoexcited Material. <i>Advanced Functional Materials</i> , 2020 , 30, 2002821	15.6	4
55	In Situ Observation of Tin Negative Electrode / Electrolyte Interface by X-ray Reflectivity. <i>ECS Transactions</i> , 2013 , 50, 31-37	1	4
54	Effects of oxygen content and heating rate on phase transition behavior in Bi ₂ (V _{0.95} Ti _{0.05})O _{5.475} . <i>Journal of Alloys and Compounds</i> , 2011 , 509, 5833-5838	5.7	4
53	Partial structure of Pd _{42.5} Ni _{7.5} Cu ₃₀ P ₂₀ bulk metallic glass. <i>Journal of Physics: Conference Series</i> , 2009 , 144, 012055	0.3	4
52	Local Structure around Pd Atoms in Pd _{42.5} Ni _{7.5} Cu ₃₀ P ₂₀ Excellent Glass-Former Studied by Anomalous X-ray Scattering. <i>Materials Transactions</i> , 2007 , 48, 2358-2361	1.3	4
51	Thermal stability of MnO ₂ polymorphs. <i>Journal of Solid State Chemistry</i> , 2022 , 305, 122683	3.3	4
50	Decreasing activation energy of fast relaxation processes in a metallic glass during aging. <i>Physical Review B</i> , 2019 , 99,	3.3	3
49	Structural modification by adding Li cations into Mg/Cs-TFSA molten salt facilitating Mg electrodeposition. <i>RSC Advances</i> , 2015 , 5, 3063-3069	3.7	3
48	Phase Stability of Bi ₂ (V _{1-x} ME _x)O _{5.5+Δ} ; (ME=Li and Ag, x=0.05 and 0.1). <i>Materials Transactions</i> , 2010 , 51, 561-566	1.3	3

47	Effects of solute oxygen on kinetics of diffusionless isothermal β transformation in Titanium alloys. <i>Scripta Materialia</i> , 2020 , 188, 88-91	5.6	3
46	Nitrogen doping-induced local structure change in a Cr ₂ Ge ₂ Te ₆ inverse resistance phase-change material. <i>Materials Advances</i> , 2020 , 1, 2426-2432	3.3	3
45	Direct observation of elastic softening immediately after femtosecond-laser excitation in a phase-change material. <i>Physical Review B</i> , 2020 , 101,	3.3	2
44	Phonon Excitations in Pd ₄₀ Ni ₄₀ P ₂₀ Bulk Metallic Glass by Inelastic X-Ray Scattering. <i>Materials Science Forum</i> , 2016 , 879, 767-772	0.4	2
43	Dynamic viscoelasticity of Zr ₄₀ Al ₁₀ Ni ₁₀ Cu metallic glass in the glass transition region. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2009 , 521-522, 232-235	5.3	2
42	Soft X-ray emission study of Pd ₄₀ Ni ₄₀ Cu ₂₀ bulk metallic glass. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2007 , 156-158, 426-429	1.7	2
41	Structural Stability and Elasticity in Zr-Based Bulk Metallic Glasses. <i>Materials Science Forum</i> , 2007 , 561-565, 1391-1395	0.4	2
40	Catalytic mechanism of spinel oxides for oxidative electrolyte decomposition in Mg rechargeable batteries. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 26401-26409	13	2
39	Crystallization of Zr ₅₀ Cu ₄₀ Al ₁₀ Metallic Glass by Rapid Heating Process. <i>Zairyo/Journal of the Society of Materials Science, Japan</i> , 2009 , 58, 205-208	0.1	2
38	Search for vacancies in concentrated solid-solution alloys with fcc crystal structure. <i>Physical Review Materials</i> , 2020 , 4,	3.2	2
37	Electrochemically synthesized liquid-sulfur/sulfide composite materials for high-rate magnesium battery cathodes. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 16585-16593	13	2
36	Study on Correlation between Complex Relaxation Phenomena and Elastic Heterogeneity in Metallic Glasses. <i>Zairyo/Journal of the Society of Materials Science, Japan</i> , 2013 , 62, 167-171	0.1	1
35	Effects of Transformation Strain Due to Lithiation/delithiation in Sn Electrode of Li-ion Batteries. <i>Electrochemistry</i> , 2010 , 78, 460-462	1.2	1
34	Elastic Properties of Cu-Based Bulk Metallic Glass around Glass Transition Temperature. <i>Materials Science Forum</i> , 2007 , 539-543, 1932-1936	0.4	1
33	Low Temperature Elastic Properties of CuZrTi Bulk Metallic Glass. <i>Materials Transactions</i> , 2007 , 48, 1842-1845	13.45	1
32	Atomizing Effect on Sn-Zn Based Solder Alloy. <i>Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals</i> , 2006 , 70, 162-165	0.4	1
31	Elastic constants predicted from sintered porous MgB ₂ via micromechanics modeling. <i>Materials Letters</i> , 2003 , 57, 3910-3913	3.3	1
30	Anomalous Crystallization Induced by Ultrasound in Pd _{42.5} Ni _{7.5} Cu ₃₀ P ₂₀ Metallic Glass. <i>Journal of Metastable and Nanocrystalline Materials</i> , 2005 , 24-25, 547-550	0.2	1

29	In situ detection method for obtaining permeability of Fe-based amorphous alloys: ac resistance measurement for Fe ₈₄ Nb ₇ B ₉ . <i>Applied Physics Letters</i> , 2005 , 86, 032503	3.4	1
28	Thermal fluctuation for the time-dependent Ginzburg-Landau simulation. <i>Physical Review E</i> , 2001 , 63, 060101	2.4	1
27	Electrochemically Induced Strain Evolution in Pt-Ni Alloy Nanoparticles Observed by Bragg Coherent Diffraction Imaging. <i>Nano Letters</i> , 2021 , 21, 5945-5951	11.5	1
26	Atomistic study on simultaneous achievement of partial crystallization and rejuvenated glassy structure in thermal process of metallic glasses. <i>Philosophical Magazine</i> , 1-22	1.6	1
25	?????????????????: ??????????????. <i>Materia Japan</i> , 2007 , 46, 70-76	0.1	0
24	Modelling Dilatometry Data of Isothermal Phase Formation in a Strongly Stabilised TiV-Alloy. <i>Materials Science Forum</i> , 1016, 1851-1856	0.4	0
23	Excellently balanced water-intercalation-type heat-storage oxide.. <i>Nature Communications</i> , 2022 , 13, 1452	17.4	0
22	Dendrite-free alkali metal electrodeposition from contact-ion-pair state induced by mixing alkaline earth cation. <i>Cell Reports Physical Science</i> , 2022 , 100907	6.1	0
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