Tetsu Ichitsubo

List of Publications by Year in Descending Order

172 papers	3,647 citations	31 h-index	52 g-index
182 ext. papers	4,095 ext. citations	4.8 avg, IF	5.25 L-index

#	Paper	IF	Citations
172	Metalloid substitution elevates simultaneously the strength and ductility of face-centered-cubic high-entropy alloys. *Acta Materialia*, **2022**, 225, 117571	8.4	7
171	Thermal stability of MnO2 polymorphs. *Journal of Solid State Chemistry*, **2022**, 305, 122683	3.3	4
170	Excellently balanced water-intercalation-type heat-storage oxide.. *Nature Communications*, **2022**, 13, 1452	17.4	0
169	Dendrite-free alkali metal electrodeposition from contact-ion-pair state induced by mixing alkaline earth cation. *Cell Reports Physical Science*, **2022**, 100907	6.1	0
168	Catalytic mechanism of spinel oxides for oxidative electrolyte decomposition in Mg rechargeable batteries. *Journal of Materials Chemistry A*, **2021**, 9, 26401-26409	13	2
167	Fundamental Concepts of Bragg Coherent Diffraction Imaging Enabling to Reveal the 3D Displacement and Strain Field in Materials. *Nihon Kessho Gakkaishi*, **2021**, 63, 143-150	0	
166	Relaxation Behavior and Heterogeneous Structures of Metallic Glasses. *Zairyo/Journal of the Society of Materials Science, Japan*, **2021**, 70, 374-380	0.1	
165	Experimental Methods of Bragg Coherent Diffraction Imaging for the 3D Displacement and Strain Field Visualization in Materials. *Nihon Kessho Gakkaishi*, **2021**, 63, 151-158	0	
164	Structure Design of Long-Life Spinel-Oxide Cathode Materials for Magnesium Rechargeable Batteries. *Advanced Materials*, **2021**, 33, e2007539	24	18
163	Novel Mg Rechargeable Battery Cathodes: Chevrel to Spinel **2021**, 491-499		
162	Electrochemically synthesized liquid-sulfur/sulfide composite materials for high-rate magnesium battery cathodes. *Journal of Materials Chemistry A*, **2021**, 9, 16585-16593	13	2
161	Electrochemically Induced Strain Evolution in Pt-Ni Alloy Nanoparticles Observed by Bragg Coherent Diffraction Imaging. *Nano Letters*, **2021**, 21, 5945-5951	11.5	1
160	Accelerated Kinetics Revealing Metastable Pathways of Magnesiation-Induced Transformations in MnO2 Polymorphs. *Chemistry of Materials*, **2021**, 33, 6983-6996	9.6	10
159	Nonthermal Dynamics of Dielectric Functions in a Resonantly Bonded Photoexcited Material. *Advanced Functional Materials*, **2020**, 30, 2002821	15.6	4
158	Spinel□ocksalt transition as a key cathode reaction toward high-energy-density magnesium rechargeable batteries. *Current Opinion in Electrochemistry*, **2020**, 21, 93-99	7.2	15
157	Direct observation of elastic softening immediately after femtosecond-laser excitation in a phase-change material. *Physical Review B*, **2020**, 101,	3.3	2
156	Search for vacancies in concentrated solid-solution alloys with fcc crystal structure. *Physical Review Materials*, **2020**, 4,	3.2	2

155	Fundamental Study towards Development of Energy Storage Devices Utilizing Multivalent Cations. *Materia Japan*, **2020**, 59, 413-421	0.1	
154	Effects of solute oxygen on kinetics of diffusionless isothermal □transformation in □titanium alloys. *Scripta Materialia*, **2020**, 188, 88-91	5.6	3
153	Nitrogen doping-induced local structure change in a Cr2Ge2Te6 inverse resistance phase-change material. *Materials Advances*, **2020**, 1, 2426-2432	3.3	3
152	Circumventing huge volume strain in alloy anodes of lithium batteries. *Nature Communications*, **2020**, 11, 1584	17.4	54
151	Decreasing activation energy of fast relaxation processes in a metallic glass during aging. *Physical Review B*, **2019**, 99,	3.3	3
150	Zinc-based spinel cathode materials for magnesium rechargeable batteries: toward the reversible spinel□rocksalt transition. *Journal of Materials Chemistry A*, **2019**, 7, 12225-12235	13	36
149	Feasible transformation of MgCo2O4 from spinel to defect rocksalt structure under electron irradiation. *Scripta Materialia*, **2019**, 167, 26-30	5.6	15
148	Suppressive effect of Fe cations in Mg(Mn1□Fex)2O4 positive electrodes on oxidative electrolyte decomposition for Mg rechargeable batteries. *Journal of Power Sources*, **2019**, 435, 226822	8.9	25
147	Diffusionless isothermal omega transformation in titanium alloys driven by quenched-in compositional fluctuations. *Physical Review Materials*, **2019**, 3,	3.2	7
146	Electrochemical phase transformation accompanied with Mg extraction and insertion in a spinel MgMnO cathode material. *Physical Chemistry Chemical Physics*, **2019**, 21, 23749-23757	3.6	22
145	Solvation-Structure Modification by Concentrating Mg(TFSA)-MgCl-Triglyme Ternary Electrolyte. *Journal of Physical Chemistry Letters*, **2018**, 9, 4732-4737	6.4	28
144	Fast Diffusion of Multivalent Ions Facilitated by Concerted Interactions in Dual-Ion Battery Systems. *Advanced Energy Materials*, **2018**, 8, 1801475	21.8	36
143	Strain-Induced Stabilization of Charged State in Li-Rich Layered Transition-Metal Oxide for Lithium-Ion Batteries. *Journal of Physical Chemistry C*, **2018**, 122, 19298-19308	3.8	12
142	Irreversible thermodynamics of ideal plastic deformation. *Cogent Physics*, **2018**, 5, 1496613	3.5	
141	Distortion of Local Atomic Structures in Amorphous Ge-Sb-Te Phase Change Materials. *Physical Review Letters*, **2018**, 120, 205502	7.4	24
140	Constructing metal-anode rechargeable batteries utilizing concomitant intercalation of Li□Mg dual cations into Mo6S8. *Journal of Materials Chemistry A*, **2017**, 5, 3534-3540	13	16
139	Electrochemical lithium intercalation behavior of pristine and milled hexagonal boron nitride. *Journal of Electroanalytical Chemistry*, **2017**, 799, 263-269	4.1	4
138	Phonon Excitations in Pd40Ni40P20 Bulk Metallic Glass by Inelastic X-Ray Scattering. *Materials Science Forum*, **2016**, 879, 767-772	0.4	2

137	Two distinct crystallization processes in supercooled liquid. *Journal of Chemical Physics*, **2016**, 144, 194505	3.9	5
136	Framework Structures for Mg Battery Cathodes. *Materials Science Forum*, **2016**, 879, 2150-2152	0.4	
135	Initial Atomic Motion Immediately Following Femtosecond-Laser Excitation in Phase-Change Materials. *Physical Review Letters*, **2016**, 117, 135501	7.4	32
134	Roles of transition metals interchanging with lithium in electrode materials. *Physical Chemistry Chemical Physics*, **2015**, 17, 14064-70	3.6	24
133	Toward □ocking-chair type□Mg□Li dual-salt batteries. *Journal of Materials Chemistry A*, **2015**, 3, 10188-10194	7.3	64
132	EQCM Analysis of Redox Behavior of CuFe Prussian Blue Analog in Mg Battery Electrolytes. *Journal of the Electrochemical Society*, **2015**, 162, A2356-A2361	3.9	39
131	Structural modification by adding Li cations into Mg/Cs-TFSA molten salt facilitating Mg electrodeposition. *RSC Advances*, **2015**, 5, 3063-3069	3.7	3
130	Intercalation and Push-Out Process with Spinel-to-Rocksalt Transition on Mg Insertion into Spinel Oxides in Magnesium Batteries. *Advanced Science*, **2015**, 2, 1500072	13.6	117
129	A concept of dual-salt polyvalent-metal storage battery. *Journal of Materials Chemistry A*, **2014**, 2, 1144-1149	13	116
128	Surface-layer formation by reductive decomposition of LiPF6 at relatively high potentials on negative electrodes in lithium ion batteries and its suppression. *Journal of Power Sources*, **2014**, 271, 431-436	8.9	32
127	A new aspect of Chevrel compounds as positive electrodes for magnesium batteries. *Journal of Materials Chemistry A*, **2014**, 2, 14858-14866	13	24
126	Bulk-nanoporous-silicon negative electrode with extremely high cyclability for lithium-ion batteries prepared using a top-down process. *Nano Letters*, **2014**, 14, 4505-10	11.5	174
125	Time-resolved coherent diffraction of ultrafast structural dynamics in a single nanowire. *Nano Letters*, **2014**, 14, 2413-8	11.5	16
124	Three-dimensional nanoelectrode by metal nanowire nonwoven clothes. *Nano Letters*, **2014**, 14, 1932-7	11.5	43
123	EQCM analysis of redox behavior of Prussian blue in a lithium battery electrolyte. *Journal of Materials Chemistry A*, **2014**, 2, 8041	13	28
122	Revisit to diffraction anomalous fine structure. *Journal of Synchrotron Radiation*, **2014**, 21, 1247-51	2.4	13
121	Electrochemical Behavior of Magnesium Alloys in Alkali Metal-TFSA Ionic Liquid for Magnesium-Battery Negative Electrode. *Journal of the Electrochemical Society*, **2014**, 161, A943-A947	3.9	20
120	Research Update: Retardation and acceleration of phase separation evaluated from observation of imbalance between structure and valence in LiFePO4/FePO4 electrode. *APL Materials*, **2014**, 2, 070701	5.7	6

119	Effects of water content on magnesium deposition from a Grignard reagent-based tetrahydrofuran electrolyte. *Research on Chemical Intermediates*, **2014**, 40, 3-9	2.8	18
118	What determines the critical size for phase separation in LiFePO4 in lithium ion batteries?. *Journal of Materials Chemistry A*, **2013**, 1, 14532	13	17
117	Elastically constrained phase-separation dynamics competing with the charge process in the LiFePO4/FePO4 system. *Journal of Materials Chemistry A*, **2013**, 1, 2567	13	26
116	Electrochemical Stability of Magnesium Battery Current Collectors in a Grignard Reagent-Based Electrolyte. *Journal of the Electrochemical Society*, **2013**, 160, C83-C88	3.9	90
115	In Situ Observation of Tin Negative Electrode / Electrolyte Interface by X-ray Reflectivity. *ECS Transactions*, **2013**, 50, 31-37	1	4
114	Synthesis of Binary Magnesium□ransition Metal Oxides via Inverse Coprecipitation. *Japanese Journal of Applied Physics*, **2013**, 52, 025501	1.4	27
113	Time-resolved Bragg coherent X-ray diffraction revealing ultrafast lattice dynamics in nano-thickness crystal layer using X-ray free electron laser. *Journal of the Ceramic Society of Japan*, **2013**, 121, 283-286	1	10
112	Dynamic Relaxation of Pd42.5Ni7.5Cu30P20 Metallic Glass. *Funtai Oyobi Fummatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy*, **2013**, 60, 228-235	0.2	6
111	Study on Correlation between Complex Relaxation Phenomena and Elastic Heterogeneity in Metallic Glasses. *Zairyo/Journal of the Society of Materials Science, Japan*, **2013**, 62, 167-171	0.1	1
110	Electrochemical Stability of Metal Electrodes for Reversible Magnesium Deposition/Dissolution in Tetrahydrofuran Dissolving Ethylmagnesium Chloride. *ECS Electrochemistry Letters*, **2012**, 1, D11-D14		28
109	Effects of oxygen content and heating rate on phase transition behavior in Bi2(V0.95Ti0.05)O5.475□. *Journal of Alloys and Compounds*, **2011**, 509, 5833-5838	5.7	4
108	Static heterogeneity in metallic glasses and its correlation to physical properties. *Journal of Non-Crystalline Solids*, **2011**, 357, 494-500	3.9	15
107	Potential positive electrodes for high-voltage magnesium-ion batteries. *Journal of Materials Chemistry*, **2011**, 21, 11764		124
106	Transverse excitations in liquid Ga. *European Physical Journal: Special Topics*, **2011**, 196, 85-93	2.3	16
105	Mechanical-energy influences to electrochemical phenomena in lithium-ion batteries. *Journal of Materials Chemistry*, **2011**, 21, 2701		42
104	Formation of Columnar-Shaped Structure of Fe in Fe□r□n Thin Films and Its Shape-Magnetic Anisotropy. *Japanese Journal of Applied Physics*, **2011**, 50, 013004	1.4	
103	Control of c-axis orientation of L10-FePd in dual-phase-equilibrium FePd/Fe thin films. *Journal of Applied Physics*, **2011**, 109, 033513	2.5	10
102	Influence of Mechanical Strain on the Electrochemical Lithiation of Aluminum-Based Electrode Materials. *Journal of the Electrochemical Society*, **2011**, 159, A14-A17	3.9	20

101	Formation of Columnar-Shaped Structure of Fe in Fe□Cr□Sn Thin Films and Its Shape-Magnetic Anisotropy. *Japanese Journal of Applied Physics*, **2011**, 50, 013004	1.4	
100	Elastic inhomogeneity and acoustic phonons in Pd-, Pt-, and Zr-based metallic glasses. *Physical Review B*, **2010**, 81,	3.3	11
99	Exchange-coupling of c-axis oriented L10□FePd and Fe in FePd/Fe thin films. *Applied Physics Letters*, **2010**, 97, 182508	3.4	15
98	Precipitation of the ZrCu B2 phase in Zr50Cu50□Alx (x = 0, 4, 6) metallic glasses by rapidly heating and cooling. *Journal of Materials Research*, **2010**, 25, 793-800	2.5	14
97	Phase Stability of Bi2(V1−xMEx)O5.5+δ (ME=Li and Ag, x=0.05 and 0.1). *Materials Transactions*, **2010**, 51, 561-566	1.3	3
96	Effects of Transformation Strain Due to Lithiation/delithiation in Sn Electrode of Li-ion Batteries. *Electrochemistry*, **2010**, 78, 460-462	1.2	1
95	Phase classification, electrical conductivity, and thermal stability of Bi2(V0.95TM0.05)O5.5+□(TM: transition metal). *Solid State Ionics*, **2010**, 181, 1279-1286	3.3	10
94	High oxide-ion conductivity of monovalent-metal-doped bismuth vanadate at intermediate temperatures. *Solid State Ionics*, **2010**, 181, 719-723	3.3	24
93	Inhomogeneity and glass-forming ability in the bulk metallic glass Pd42.5Ni7.5Cu30P20 as seen via x-ray spectroscopies. *Physical Review B*, **2009**, 80,	3.3	15
92	Correlation of dynamic and quasistatic relaxations: The Cox□Merz rule for metallic glass. *Applied Physics Letters*, **2009**, 95, 231911	3.4	7
91	Oxidation-State Control of Nanoparticles Synthesized via Chemical Reduction Using Potential Diagrams. *Journal of the Electrochemical Society*, **2009**, 156, D321	3.9	21
90	Structural inhomogeneity of metallic glass observed by ultrasonic and inelastic X-ray scattering measurements. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2009**, 521-522, 236-242	5.3	8
89	Dynamic viscoelasticity of Zr□Al□Ni□Cu metallic glass in the glass transition region. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2009**, 521-522, 232-235	5.3	2
88	Heating rate dependence of Tg and Tx in Zr-based BMGs with characteristic structures. *Journal of Alloys and Compounds*, **2009**, 483, 8-13	5.7	18
87	Interfacial reaction of gas-atomized Sn□Zn solder containing Ni and Cu additives. *Journal of Alloys and Compounds*, **2009**, 484, 185-189	5.7	14
86	Transverse acoustic excitations in liquid Ga. *Physical Review Letters*, **2009**, 102, 105502	7.4	107
85	Crystallization Behavior and Structural Stability of Zr50Cu40Al10 Bulk Metallic Glass. *Materials Transactions*, **2009**, 50, 1340-1345	1.3	17
84	Partial structure of Pd42:5Ni7:5Cu30P20bulk metallic glass. *Journal of Physics: Conference Series*, **2009**, 144, 012055	0.3	4

83	Crystallization of Zr50Cu40Al10 Metallic Glass by Rapid Heating Process. *Zairyo/Journal of the Society of Materials Science, Japan*, **2009**, 58, 205-208	0.1	2
82	Formation of Nickel Nanoparticles by Electroless Deposition Using NiO and Ni(OH)[sub 2] Suspensions. *Journal of the Electrochemical Society*, **2008**, 155, D583	3.9	15
81	Formation of Cu Nanoparticles by Electroless Deposition Using Aqueous CuO Suspension. *Journal of the Electrochemical Society*, **2008**, 155, D474	3.9	29
80	Mechanism of c-axis orientation of L10 FePt in nanostructured FePtB2O3 thin films. *Physical Review B*, **2008**, 77,	3.3	39
79	Low-temperature elastic moduli of a Pd-based metallic glass showing positive phonon dispersion. *Physical Review B*, **2008**, 78,	3.3	7
78	Molecular Dynamics Simulation and Statistical Analysis for Glass Transition in a Lennard-Jones System. *Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals*, **2008**, 72, 158-162	0.4	
77	Synthesis of Spinel-Type Magnesium Cobalt Oxide and Its Electrical Conductivity. *Materials Transactions*, **2008**, 49, 824-828	1.3	25
76	Partial structure of Pd42.5Ni7.5Cu30P20bulk metallic glass: Comparison to the reference Pd40Ni40P20glass. *Journal of Physics: Conference Series*, **2008**, 98, 012013	0.3	5
75	Effects of volume strain due to LiSn compound formation on electrode potential in lithium-ion batteries. *Acta Materialia*, **2008**, 56, 1539-1545	8.4	57
74	Elastic instability condition of the raft structure during creep deformation in nickel-base superalloys. *Acta Materialia*, **2008**, 56, 3786-3790	8.4	8
73	Soft X-ray emission study of PdNiCuP bulk metallic glass. *Journal of Electron Spectroscopy and Related Phenomena*, **2007**, 156-158, 426-429	1.7	2
72	Electronic structure of Pd42.5Ni7.5Cu30P20, an excellent bulk metallic glass former: Comparison to the Pd40Ni40P20 reference glass. *Acta Materialia*, **2007**, 55, 3413-3419	8.4	25
71	Glass-to-liquid transition in zirconium and palladium based metallic glasses. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2007**, 449-451, 506-510	5.3	11
70	Extended mean-field method for predicting yield behaviors of porous materials. *Mechanics of Materials*, **2007**, 39, 53-63	3.3	7
69	A Pseudoternary Phase Diagram of the BaO-ZrO2-ScO1.5 System at 1600 °C and Solubility of Scandia into Barium Zirconate. *Journal of Phase Equilibria and Diffusion*, **2007**, 28, 517-522	1	10
68	Nanoscale elastic inhomogeneity of a Pd-based metallic glass: Sound velocity from ultrasonic and inelastic x-ray scattering experiments. *Physical Review B*, **2007**, 76,	3.3	32
67	Low-temperature acoustic properties and quasiharmonic analysis for Cu-based bulk metallic glasses. *Physical Review B*, **2007**, 76,	3.3	24
66	Ultrasonic Spectroscopy and X-Ray Diffraction Study for ARB Aluminum. *Materials Science Forum*, **2007**, 561-565, 937-940	0.4	

65	Structural Stability and Elasticity in Zr-Based Bulk Metallic Glasses. *Materials Science Forum*, **2007**, 561-565, 1391-1395	0.4	2
64	Elastic Properties of Cu-Based Bulk Metallic Glass around Glass Transition Temperature. *Materials Science Forum*, **2007**, 539-543, 1932-1936	0.4	1
63	Low Temperature Elastic Properties of CuZrTi Bulk Metallic Glass. *Materials Transactions*, **2007**, 48, 1842-1845	1.3	1
62	Local Structure around Pd Atoms in Pd42.5Ni7.5Cu30P20 Excellent Glass-Former Studied by Anomalous X-ray Scattering. *Materials Transactions*, **2007**, 48, 2358-2361	1.3	4
61	??????????????????: ????????????????. *Materia Japan*, **2007**, 46, 70-76	0.1	0
60	Structural study of Zr-based metallic glasses. *Journal of Alloys and Compounds*, **2007**, 434-435, 119-120	5.7	18
59	Crystallization accelerated by ultrasound in Pd-based metallic glasses. *Journal of Alloys and Compounds*, **2007**, 434-435, 194-195	5.7	7
58	Evaluation of the Stability of Raft Structure in Nickel Base Superalloys Throughout their Lifetime. *Materials Research Society Symposia Proceedings*, **2006**, 980, 8		
57	Structural instability of metallic glasses under radio-frequency-ultrasonic perturbation and its correlation with glass-to-crystal transition of less-stable metallic glasses. *Journal of Chemical Physics*, **2006**, 125, 154502	3.9	47
56	??????X????????????????. *Keikinzoku/Journal of Japan Institute of Light Metals*, **2006**, 56, 635-638	0.3	
55	Atomizing Effect on Sn-Zn Based Solder Alloy. *Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals*, **2006**, 70, 162-165	0.4	1
54	Low-temperature crystallization caused by ultrasound in Pd42.5 Ni7.5 Cu30 P20 and Pd40 Ni40 P20 bulk metallic glasses. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2006**, 442, 273-277	5.3	5
53	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	5.3	18
52	On the stability of chemical order in small ordered-alloy particles. *Philosophical Magazine*, **2005**, 85, 855-865	1.5	11
51	Control of compound forming reaction at the interface between SnZn solder and Cu substrate. *Journal of Alloys and Compounds*, **2005**, 392, 200-205	5.7	47
50	Local Structure and Glass Transition in Zr-Based Binary Amorphous Alloys. *Materials Transactions*, **2005**, 46, 2282-2286	1.3	23
49	Incident Photon-Energy Dependence of the Electronic Density of States in Pd42.5Ni7.5Cu30P20 Metallic Glass. *Materials Transactions*, **2005**, 46, 2803-2806	1.3	9
48	Preferential formation of anatase in laser-ablated titanium dioxide films. *Acta Materialia*, **2005**, 53, 323-329	3.4	59

47	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	8.4	17
46	On the preferential formation of anatase in amorphous titanium oxide film. *Scripta Materialia*, **2005**, 53, 1019-1023	5.6	16
45	Anomalous Crystallization Induced by Ultrasound in Pd42.5Ni7.5Cu30P20 Metallic Glass. *Journal of Metastable and Nanocrystalline Materials*, **2005**, 24-25, 547-550	0.2	1
44	Evolution of Internal Stress Field in Ni-Base Superalloy through Creep Deformation. *Materials Science Forum*, **2005**, 475-479, 619-622	0.4	11
43	Glass-liquid transition in a less-stable metallic glass. *Physical Review B*, **2005**, 72,	3.3	45
42	In situ detection method for obtaining permeability of Fe-based amorphous alloys: ac resistance measurement for Fe84Nb7B9. *Applied Physics Letters*, **2005**, 86, 032503	3.4	1
41	Microstructure of fragile metallic glasses inferred from ultrasound-accelerated crystallization in Pd-based metallic glasses. *Physical Review Letters*, **2005**, 95, 245501	7.4	270
40	Anisotropic yield behavior of lotus-type porous iron: Measurements and micromechanical mean-field analysis. *Journal of Materials Research*, **2005**, 20, 135-143	2.5	31
39	Micromechanical Mean-Field Analysis for Stress-Strain Curve of Lotus-Type Porous Iron. *Materials Science Forum*, **2005**, 486-487, 489-492	0.4	
38	Effects of External Magnetic Field on FePt Films during Heat Treatment. *Japanese Journal of Applied Physics*, **2004**, 43, 273-276	1.4	8
37	Single-crystal elastic constants of disordered and ordered FePd. *Journal of Applied Physics*, **2004**, 96, 6220-6223	2.5	28
36	Effective-mean-field approach for macroscopic elastic constantsof composites. *Applied Physics Letters*, **2004**, 85, 197-199	3.4	29
35	Ultrasound-induced crystallization around the glass transition temperature for Pd40Ni40P20 metallic glass. *Acta Materialia*, **2004**, 52, 423-429	8.4	55
34	Elastic properties of lotus-type porous iron: acoustic measurement and extended effective-mean-field theory. *Acta Materialia*, **2004**, 52, 5195-5201	8.4	66
33	Temperature dependence of elastic constants of lotus-type porous copper. *Materials Letters*, **2004**, 58, 1819-1824	3.3	6
32	Elastic constants of lotus-type porous magnesium: Comparison with effective-mean-field theory. *Journal of Applied Physics*, **2004**, 96, 3696-3701	2.5	21
31	Ultrasound-Induced Structural Anomaly of Supercooled Liquid in Some Bulk Metallic Glasses. *Materials Transactions*, **2004**, 45, 1189-1193	1.3	6
30	Fabrication of Isolated FePd Nanoparticles by Sputtering and Heat Treatment. *Japanese Journal of Applied Physics*, **2003**, 42, 2858-2859	1.4	6

29	Elastic property of aged duplex stainless steel. *Scripta Materialia*, **2003**, 48, 229-234	5.6	14
28	Elastic and anelastic behavior of Zr55Al10Ni5Cu30 bulk metallic glass around the glass transition temperature under ultrasonic excitation. *Scripta Materialia*, **2003**, 49, 267-271	5.6	46
27	Rafting mechanism for Ni-base superalloy under external stress: elastic or elastic–plastic phenomena?. *Acta Materialia*, **2003**, 51, 4033-4044	8.4	72
26	Elastic anisotropy of rafted Ni-base superalloy at high temperatures. *Acta Materialia*, **2003**, 51, 4863-4869	8.4	26
25	Elastic constants predicted from sintered porous MgB2 via micromechanics modeling. *Materials Letters*, **2003**, 57, 3910-3913	3.3	1
24	Elastic-stiffness coefficients of a silicon carbide fibre at elevated temperatures: Acoustic spectroscopy and micromechanics modelling. *Philosophical Magazine*, **2003**, 83, 503-512	1.6	14
23	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	2.5	18
22	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	2.5	12
21	OS06W0137 Acoustic spectroscopy for measuring anisotropic elastic constants of thin films. *The Abstracts of ATEM International Conference on Advanced Technology in Experimental Mechanics Asian Conference on Experimental Mechanics*, **2003**, 2003.2, _OS06W0137-_OS06W0137	0	
20	OS6(5)-22(OS06W0137) Acoustic Spectroscopy for Measuring Anisotropic Elastic Constants of Thin Films. *The Abstracts of ATEM International Conference on Advanced Technology in Experimental Mechanics Asian Conference on Experimental Mechanics*, **2003**, 2003, 237	0	
19	Measurement of the Anisotropic Elastic Constants of CVD Diamond Film and Micromechanics Modeling. *Zairyo/Journal of the Society of Materials Science, Japan*, **2003**, 52, 1160-1165	0.1	
18	Elastic-Constant Measurement for Lotus-Type Porous Magnesium with Resonant Ultrasound Spectroscopy. *Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals*, **2003**, 67, 417-419	0.4	
17	Anisotropic Elastic Constants of Porous Copper with Resonant Ultrasound Spectroscopy and Micromechanics. *Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals*, **2002**, 66, 1073-1077	0.4	
16	Anisotropic elastic constants of lotus-type porous copper: measurements and micromechanics modeling. *Acta Materialia*, **2002**, 50, 4105-4115	8.4	65
15	Elastic constant measurement of Ni-base superalloy with the RUS and mode selective EMAR methods. *Ultrasonics*, **2002**, 40, 211-5	3.5	18
14	Elastic stiffness and ultrasonic attenuation of superconductor MgB2 at low temperatures. *Physical Review B*, **2002**, 66,	3.3	17
13	Elastic constants of lotus-type porous metal : measurement and micromechanics modeling. *Proceedings of the 1992 Annual Meeting of JSME/MMD*, **2002**, 2002, 73-74		
12	Measurement of the elastic-stiffness tensor of SiC_f/Ti composites at elevated temperatures and nondestructive evaluation of disbonding. *Proceedings of the 1992 Annual Meeting of JSME/MMD*, **2002**, 2002, 405-406		

11	Effect of external fields on ordering of FePd. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2001**, 312, 118-127	5.3	65
10	Thermal fluctuation for the time-dependent Ginzburg-Landau simulation. *Physical Review E*, **2001**, 63, 060101	2.4	1
9	Kinetics of cubic to tetragonal transformation under external field by the time-dependent Ginzburg-Landau approach. *Physical Review B*, **2000**, 62, 5435-5441	3.3	50
8	Evaluation of elastic strain energy associated with the formation of hydride precipitates in LaNi5. *Intermetallics*, **2000**, 8, 613-618	3.5	31
7	Formation of Mono-variant L10 Structure on Ordering of FePd under Magnetic Fields. *Materials Transactions, JIM*, **2000**, 41, 917-922		26
6	Configurational free energy in order-disorder transitions from Monte Carlo calculations for systems under external fields. *Physical Review B*, **1999**, 60, 9198-9201	3.3	7
5	Effect of Applied Stress on fcc-L10 Transformation of FePd Single Crystal. *Materials Transactions, JIM*, **1998**, 39, 24-30		31
4	Single-crystal elastic constants of gamma-TiAl. *Philosophical Magazine Letters*, **1996**, 73, 71-78	1	94
3	Modelling Dilatometry Data of Isothermal Phase Formation in a Strongly Stabilised TiV-Alloy. *Materials Science Forum*,1016, 1851-1856	0.4	0
2	Construction of supramolecular polymer hydrogel electrolyte with ionic channels for flexible supercapacitors. *Materials Chemistry Frontiers*,	7.8	5
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