# Takeshi Egami

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18,838 426 73 121 h-index g-index citations papers 6.87 20,155 4.3 440 avg, IF L-index ext. papers ext. citations

#	Paper	IF	Citations
426	Atomic size effect on the formability of metallic glasses. <i>Journal of Non-Crystalline Solids</i> , <b>1984</b> , 64, 113	-1334	849
425	Lattice Defects and Oxygen Storage Capacity of Nanocrystalline Ceria and Ceria-Zirconia. <i>Journal of Physical Chemistry B</i> , <b>2000</b> , 104, 11110-11116	3.4	445
424	Underneath the Bragg Peaks. <i>Materials Today</i> , <b>2003</b> , 6, 57	21.8	367
423	Structural defects in amorphous solids A computer simulation study. <i>Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties</i> , <b>1980</b> , 41, 883-901		364
422	Anomalous Dispersion of LO Phonons in La1.85Sr0.15CuO4 at Low Temperatures. <i>Physical Review Letters</i> , <b>1999</b> , 82, 628-631	7.4	319
421	Local Jahn-Teller distortion in La1⊠SrxMnO3 observed by pulsed neutron diffraction. <i>Physical Review B</i> , <b>1997</b> , 56, R8475-R8478	3.3	289
420	Direct observation of the formation of polar nanoregions in Pb(Mg1/3Nb2/3)O3 using neutron pair distribution function analysis. <i>Physical Review Letters</i> , <b>2005</b> , 94, 147602	7.4	288
419	Structural relaxation in amorphous Fe40Ni40P14 B6 studied by energy dispersive X-ray diffraction. Journal of Materials Science, <b>1978</b> , 13, 2587-2599	4.3	272
418	Structural relaxation in amorphous alloys - compositional short range ordering. <i>Materials Research Bulletin</i> , <b>1978</b> , 13, 557-562	5.1	262
417	Structural defects in amorphous solids Statistical analysis of a computer model. <i>Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties</i> , <b>1981</b> , 44, 847-86	6	256
416	Local Atomic Structure and Conduction Mechanism of Nanocrystalline Hydrous RuO2 from X-ray Scattering. <i>Journal of Physical Chemistry B</i> , <b>2002</b> , 106, 12677-12683	3.4	249
415	Accuracy of pair distribution function analysis applied to crystalline and non-crystalline materials. <i>Acta Crystallographica Section A: Foundations and Advances</i> , <b>1992</b> , 48, 336-346		238
414	Incommensurate Spin Dynamics of Underdoped Superconductor YBa2Cu3O6.7. <i>Physical Review Letters</i> , <b>1999</b> , 83, 608-611	7.4	236
413	Elastic heterogeneity in metallic glasses. <i>Physical Review Letters</i> , <b>2010</b> , 105, 205502	7.4	232
412	Bond-orientational anisotropy in metallic glasses observed by x-ray diffraction. <i>Physical Review B</i> , <b>1987</b> , 35, 2162-2168	3.3	232
411	Magnetic properties of FexCu100-x solid solutions. <i>Physical Review B</i> , <b>1986</b> , 33, 3247-3250	3.3	229
410	Two-dimensional resonant magnetic excitation in BaFe1.84Co0.16As2. <i>Physical Review Letters</i> , <b>2009</b> , 102, 107005	7.4	228

409	Atomic level stresses. <i>Progress in Materials Science</i> , <b>2011</b> , 56, 637-653	42.2	227
408	An atomistic study of deformation of amorphous metals. <i>Acta Metallurgica</i> , <b>1983</b> , 31, 335-352		214
407	Observation of a local structural change at Tc for Tl2Ba2CaCu2O8 by pulsed neutron diffraction. <i>Physical Review Letters</i> , <b>1990</b> , 64, 2414-2417	7.4	207
406	Magnetic amorphous alloys: physics and technological applications. <i>Reports on Progress in Physics</i> , <b>1984</b> , 47, 1601-1725	14.4	204
405	Extended phonon collapse and the origin of the charge-density wave in 2H-NbSe2. <i>Physical Review Letters</i> , <b>2011</b> , 107, 107403	7.4	199
404	Universal criterion for metallic glass formation. <i>Materials Science &amp; Discourse Amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>1997</b> , 226-228, 261-267	5.3	194
403	Local structural fluctuations in amorphous and liquid metals: a simple theory of the glass transition. Journal of Physics F: Metal Physics, 1982, 12, 2141-2163		184
402	Radial distribution function and structural relaxation in amorphous solids. <i>Physical Review B</i> , <b>1981</b> , 24, 6936-6944	3.3	183
401	Aluminum Alloying Effects on Lattice Types, Microstructures, and Mechanical Behavior of High-Entropy Alloys Systems. <i>Jom</i> , <b>2013</b> , 65, 1848-1858	2.1	180
400	Stress-temperature scaling for steady-state flow in metallic glasses. <i>Physical Review Letters</i> , <b>2010</b> , 104, 205701	7.4	162
399	Structural Aspects of Metallic Glasses. MRS Bulletin, 2007, 32, 629-634	3.2	147
398	Elementary excitations and crossover phenomenon in liquids. <i>Physical Review Letters</i> , <b>2013</b> , 110, 20550	<b>4</b> 7.4	144
397	Short-range ordering due to displacements of thallium and oxygen atoms in superconducting Tl2Ba2CaCu2O8 observed by pulsed-neutron scattering. <i>Physical Review Letters</i> , <b>1988</b> , 61, 2608-2611	7.4	143
396	Glass transition in metallic glasses: A microscopic model of topological fluctuations in the bonding network. <i>Physical Review B</i> , <b>2007</b> , 76,	3.3	137
395	Lattice effect of strong electron correlation: implication for ferroelectricity and superconductivity. <i>Science</i> , <b>1993</b> , 261, 1307-10	33.3	137
394	How thermally activated deformation starts in metallic glass. <i>Nature Communications</i> , <b>2014</b> , 5, 5083	17.4	136
393	Atomic Level Stresses in Solids and Liquids. <i>Physica Status Solidi (B): Basic Research</i> , <b>1987</b> , 144, 145-156	1.3	136
392	Structural rejuvenation in a bulk metallic glass induced by severe plastic deformation. <i>Acta Materialia</i> , <b>2010</b> , 58, 429-438	8.4	132

391	Atomic structure of amorphous Al90FexCe10⊠. <i>Journal of Materials Research</i> , <b>1990</b> , 5, 2807-2812	2.5	127
390	Local Atomic Structure of a High-Entropy Alloy: An X-Ray and Neutron Scattering Study.  Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2013, 44, 1994-199	9 <del>7</del> .3	121
389	Short-range atomic structure of Nd2-xCexCuO4-y determined by real-space refinement of neutron-powder-diffraction data. <i>Physical Review B</i> , <b>1993</b> , 47, 14386-14406	3.3	121
388	In-situ TEM observation of structural changes in nano-crystalline CoCrCuFeNi multicomponent high-entropy alloy (HEA) under fast electron irradiation by high voltage electron microscopy (HVEM). <i>Intermetallics</i> , <b>2015</b> , 59, 32-42	3.5	118
387	The Spallation Neutron Source in Oak Ridge: A powerful tool for materials research. <i>Physica B: Condensed Matter</i> , <b>2006</b> , 385-386, 955-960	2.8	117
386	Local fluctuations and ordering in liquid and amorphous metals. <i>Physical Review B</i> , <b>1988</b> , 37, 2440-2449	3.3	117
385	Nanoscale Heterogeneities and Oxygen Storage Capacity of Ce0.5Zr0.5O2. <i>Journal of Physical Chemistry B</i> , <b>2003</b> , 107, 13007-13014	3.4	116
384	Irradiation Resistance of Multicomponent Alloys. <i>Metallurgical and Materials Transactions A:</i> Physical Metallurgy and Materials Science, <b>2014</b> , 45, 180-183	2.3	112
383	Tunneling electroresistance induced by interfacial phase transitions in ultrathin oxide heterostructures. <i>Nano Letters</i> , <b>2013</b> , 13, 5837-43	11.5	106
382	Building a high resolution total scattering powder diffractometer Lipgrade of NPD at MLNSC. <i>Applied Physics A: Materials Science and Processing</i> , <b>2002</b> , 74, s163-s165	2.6	106
381	Molecular-dynamics study of orientational order in liquids and glasses and its relation to the glass transition. <i>Physical Review B</i> , <b>1995</b> , 52, 3290-3308	3.3	104
380	Engineering atomic-level complexity in high-entropy and complex concentrated alloys. <i>Nature Communications</i> , <b>2019</b> , 10, 2090	17.4	102
379	Multiple conducting carriers generated in LaAlO3/SrTiO3 heterostructures. <i>Applied Physics Letters</i> , <b>2009</b> , 95, 082107	3.4	102
378	Low <b>fi</b> eld magnetic properties of ferromagnetic amorphous alloys. <i>Applied Physics Letters</i> , <b>1975</b> , 26, 128-130	3.4	101
377	STRUCTURAL RELAXATION IN METALLIC GLASSES. <i>Annals of the New York Academy of Sciences</i> , <b>1981</b> , 371, 238-251	6.5	100
376	Atomic Structure of PbZrO3 Determined by Pulsed Neutron Diffraction. <i>Acta Crystallographica Section B: Structural Science</i> , <b>1998</b> , 54, 750-765		95
375	Local lattice distortions in La1⊠SrxMnO3 studied by pulsed neutron scattering. <i>Physical Review B</i> , <b>1999</b> , 59, 6193-6204	3.3	95
374	Effect of low-temperature annealing and deformation on the structure of metallic glasses by X-ray diffraction. <i>Journal of Materials Science</i> , <b>1979</b> , 14, 1249-1253	4.3	95

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373	Ceria films on zirconia substrates: models for understanding oxygen-storage properties. <i>Catalysis Today</i> , <b>1999</b> , 50, 343-352	5.3	92
372	Short range ordering in amorphous Al90FexCe10⊠. <i>Journal of Non-Crystalline Solids</i> , <b>1991</b> , 135, 248-254	3.9	91
371	Internal friction and reversible structural relaxation in the metallic glass Fe32Ni36Cr14P12B6. <i>Acta Metallurgica</i> , <b>1984</b> , 32, 603-613		89
370	Local lattice dynamics and the origin of the relaxor ferroelectric behavior. <i>Physical Review Letters</i> , <b>2008</b> , 100, 137602	7.4	88
369	Structural defects in a nano-scale powder of CeO 2 studied by pulsed neutron diffraction. <i>Journal of Physics and Chemistry of Solids</i> , <b>2000</b> , 61, 1345-1356	3.9	87
368	Differential anomalous-x-ray-scattering study of icosahedral and amorphous Pd58.8U20.6Si20.6. <i>Physical Review Letters</i> , <b>1986</b> , 57, 114-117	7.4	87
367	Mechanical Properties of Metallic Glasses. <i>Metals</i> , <b>2013</b> , 3, 77-113	2.3	84
366	Synchrotron X-ray scattering study of lead magnoniobate relaxor ferroelectric crystals. <i>Journal of Physics and Chemistry of Solids</i> , <b>1996</b> , 57, 1517-1523	3.9	84
365	La3Ni2O6: a new double TQtype nickelate with infinite Ni1+/2+O2 layers. <i>Journal of the American Chemical Society</i> , <b>2006</b> , 128, 9050-1	16.4	83
364	Domain Walls in Ferromagnetic Dy and Tb. <i>Journal of Applied Physics</i> , <b>1971</b> , 42, 1299-1300	2.5	82
363	Mechanical Properties of Nanoscopic Lipid Domains. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 15772-80	16.4	81
362	Lattice effects in high temperature superconductors. <i>Progress in Materials Science</i> , <b>1994</b> , 38, 359-424	42.2	79
361	Theory of intrinsic magnetic after-effect i. thermally activated process. <i>Physica Status Solidi A</i> , <b>1973</b> , 19, 747-758		79
360	Mechanical glass transition revealed by the fracture toughness of metallic glasses. <i>Nature Communications</i> , <b>2018</b> , 9, 3271	17.4	76
359	Atomic-scale dynamics of a model glass-forming metallic liquid: Dynamical crossover, dynamical decoupling, and dynamical clustering. <i>Physical Review B</i> , <b>2015</b> , 91,	3.3	76
358	In-plane anisotropy and temperature dependence of oxygen phonon modes in YBa2Cu3O6.95. <i>Physical Review B</i> , <b>2003</b> , 67,	3.3	75
357	Structural changes in bulk metallic glass after annealing below the glass-transition temperature. <i>Materials Science &amp; amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2007</b> , 471, 125-129	5.3	74
356	Crossover from Localized to Cascade Relaxations in Metallic Glasses. <i>Physical Review Letters</i> , <b>2015</b> , 115, 045501	7.4	73

355	Atomistic mechanism of bulk metallic glass formation. <i>Journal of Non-Crystalline Solids</i> , <b>2003</b> , 317, 30-3	33.9	73
354	Structure Sensitivity of the Reaction of Methanol on Ceria. <i>Langmuir</i> , <b>2001</b> , 17, 2464-2470	4	73
353	Proposal for universality in the viscosity of metallic liquids. <i>Scientific Reports</i> , <b>2015</b> , 5, 13837	4.9	72
352	Structural rejuvenation in bulk metallic glasses. <i>Acta Materialia</i> , <b>2015</b> , 86, 240-246	8.4	72
351	Local atomic structure of amorphous and crystalline alloys: Computer simulation. <i>Journal of Non-Crystalline Solids</i> , <b>1987</b> , 89, 60-74	3.9	72
350	Kinetics of structural relaxation in amorphous alloy observed by X-ray diffraction. <i>Materials Science and Engineering</i> , <b>1978</b> , 32, 293-295		7 <sup>2</sup>
349	Atomic Correlations in Non-Periodic Matter. <i>Materials Transactions, JIM</i> , <b>1990</b> , 31, 163-176		69
348	Enhancement of the electron-lattice interaction due to strong electron correlation. <i>Physical Review B</i> , <b>1994</b> , 49, 8944-8954	3.3	68
347	Local structure of Pb(Sc1/2,Ta1/2)O3 and related compounds. <i>Journal of Physics and Chemistry of Solids</i> , <b>2000</b> , 61, 229-237	3.9	67
346	The atomic structure of aluminum based metallic glasses and universal criterion for glass formation. <i>Journal of Non-Crystalline Solids</i> , <b>1996</b> , 205-207, 575-582	3.9	67
345	Effects of deformation and annealing on magnetic amorphous alloys. <i>IEEE Transactions on Magnetics</i> , <b>1976</b> , 12, 927-929	2	67
344	Local structure and topology of a model amorphous metal. <i>Journal of Physics F: Metal Physics</i> , <b>1981</b> , 11, 2209-2219		62
343	Formation and deformation of metallic glasses: Atomistic theory. <i>Intermetallics</i> , <b>2006</b> , 14, 882-887	3.5	60
342	Unusual relationship between magnetism and superconductivity in FeTe(0.5)Se(0.5). <i>Physical Review Letters</i> , <b>2010</b> , 104, 187002	7.4	59
341	Magnetic and structural effects of anelastic deformation of an amorphous alloy. <i>Journal of Applied Physics</i> , <b>1985</b> , 57, 3581-3583	2.5	59
340	The magnetic phase transition in amorphous ferromagnets and in spin glasses. <i>Journal of Magnetism and Magnetic Materials</i> , <b>1983</b> , 38, 240-252	2.8	58
339	Energy landscape-driven non-equilibrium evolution of inherent structure in disordered material. <i>Nature Communications</i> , <b>2017</b> , 8, 15417	17.4	57
338	Correlation between Fragility and the Arrhenius Crossover Phenomenon in Metallic, Molecular, and Network Liquids. <i>Physical Review Letters</i> , <b>2016</b> , 117, 205701	7.4	57

337	Structure of Al-Li-Cu icosahedral crystals and Penrose tiling. <i>Physical Review Letters</i> , <b>1987</b> , 58, 1440-144	37.4	57
336	Theory of intrinsic magneitc after-effect II. Tunnelling process and comparison with experiments. <i>Physica Status Solidi A</i> , <b>1973</b> , 20, 157-165		57
335	Bulk magnetic order in a two-dimensional Ni1+/Ni2+ (d9/d8) nickelate, isoelectronic with superconducting cuprates. <i>Physical Review Letters</i> , <b>2010</b> , 104, 206403	7.4	56
334	Nano-glass Mechanism of Bulk Metallic Glass Formation. <i>Materials Transactions</i> , <b>2002</b> , 43, 510-517	1.3	55
333	Growth control of the oxidation state in vanadium oxide thin films. <i>Applied Physics Letters</i> , <b>2014</b> , 105, 223515	3.4	54
332	Phonons in doped and undoped BaFe2As2 investigated by inelastic x-ray scattering. <i>Physical Review B</i> , <b>2009</b> , 80,	3.3	54
331	Direct observation of anelastic bond-orientational anisotropy in amorphous Tb26Fe62Co12 thin films by x-ray diffraction. <i>Physical Review B</i> , <b>1991</b> , 43, 9300-9303	3.3	54
330	Shear deformation of glassy metals: Breakdown of cauchy relationship and anelasticity. <i>Journal of Non-Crystalline Solids</i> , <b>1985</b> , 75, 361-366	3.9	54
329	Structure and magnetism of amorphous alloys. <i>IEEE Transactions on Magnetics</i> , <b>1981</b> , 17, 2600-2605	2	54
328	Theory of bloch wall tunnelling. <i>Physica Status Solidi (B): Basic Research</i> , <b>1973</b> , 57, 211-224	1.3	54
327	Short-, intermediate-, and extended-range order in rubidium germanate glasses. <i>Physical Review B</i> , <b>1997</b> , 55, 11249-11255	3.3	53
326	Crystal structures of Ln4Ni3O8 (Ln = La, Nd) triple layer TQ:ppe nickelates. <i>Inorganic Chemistry</i> , <b>2007</b> , 46, 10887-91	5.1	53
325	Severe local lattice distortion in Zr- and/or Hf-containing refractory multi-principal element alloys. <i>Acta Materialia</i> , <b>2020</b> , 183, 172-181	8.4	53
324	Understanding the properties and structure of metallic glasses at the atomic level. <i>Jom</i> , <b>2010</b> , 62, 70-75	2.1	52
323	Local Electronic Effects and Irradiation Resistance in High-Entropy Alloys. <i>Jom</i> , <b>2015</b> , 67, 2345-2349	2.1	51
322	Anisotropic neutron spin resonance in superconducting BaFe1.9Ni0.1As2. <i>Physical Review B</i> , <b>2010</b> , 82,	3.3	51
321	Report from the third workshop on future directions of solid-state chemistry: The status of solid-state chemistry and its impact in the physical sciences. <i>Progress in Solid State Chemistry</i> , <b>2008</b> , 36, 1-133	8	51
320	Local atomic structure of PZT and PLZT studied by pulsed neutron scattering. <i>Journal of Physics and Chemistry of Solids</i> , <b>1996</b> , 57, 1537-1543	3.9	50

319	Viscosity, shear waves, and atomic-level stress-stress correlations. <i>Physical Review Letters</i> , <b>2011</b> , 106, 115703	7.4	49
318	Effect of Pnictogen Height on Spin Waves in Iron Pnictides. <i>Physical Review Letters</i> , <b>2014</b> , 112,	7.4	48
317	Electron-irradiation-induced structural change in Zr⊞fNb alloy. <i>Intermetallics</i> , <b>2012</b> , 26, 122-130	3.5	48
316	Electron-lattice interaction in cuprates. <i>Journal of Low Temperature Physics</i> , <b>1996</b> , 105, 791-800	1.3	48
315	Structure of Al-Mn-Cr-Si quasicrystals studied by pulsed neutron scattering. <i>Physical Review B</i> , <b>1987</b> , 35, 435-440	3.3	47
314	A model of short and intermediate range atomic structure in the relaxor ferroelectric Pb(Mg1/3, Nb2/3)O3. <i>Ferroelectrics</i> , <b>1994</b> , 158, 351-356	0.6	46
313	Local intermolecular correlations in C60. <i>Physical Review B</i> , <b>1992</b> , 45, 9517-9520	3.3	45
312	MeV electron-irradiation-induced structural change in the bcc phase of Zr曲f的b alloy with an approximately equiatomic ratio. <i>Intermetallics</i> , <b>2013</b> , 38, 70-79	3.5	44
311	Temperature dependence of the local structure of YBa2Cu4O8. <i>Physical Review B</i> , <b>1995</b> , 51, 6747-6750	3.3	44
310	Observation of structural anisotropy in metallic glasses induced by mechanical deformation. <i>Journal of Materials Research</i> , <b>2007</b> , 22, 412-418	2.5	43
309	Molecular-dynamics study of structural anisotropy and anelasticity in metallic glasses. <i>Physical Review B</i> , <b>1993</b> , 48, 3048-3057	3.3	43
308	Fe-B-C amorphous alloys with room-temperature saturation induction over 17.5 kG. <i>Applied Physics Letters</i> , <b>1979</b> , 34, 113-115	3.4	43
307	Effect of annealing on the Curie temperature of amorphous alloys. <i>Journal of Applied Physics</i> , <b>1979</b> , 50, 7615	2.5	43
306	Variations in atomic structural features of a supercooled PdNiCuP glass forming liquid during in situ vitrification. <i>Acta Materialia</i> , <b>2011</b> , 59, 708-716	8.4	42
305	Micromagnetic Theory of Phase Transitions in Inhomogeneous Ferromagnets III. Non-Local Landau-Ginzburg Theory. <i>Physica Status Solidi (B): Basic Research</i> , <b>1980</b> , 101, 713-721	1.3	42
304	Effect of d electrons on defect properties in equiatomic NiCoCr and NiCoFeCr concentrated solid solution alloys. <i>Physical Review Materials</i> , <b>2018</b> , 2,	3.2	42
303	Seeing real-space dynamics of liquid water through inelastic x-ray scattering. <i>Science Advances</i> , <b>2017</b> , 3, e1603079	14.3	41
302	Local Structure of Ferroelectric Materials. <i>Annual Review of Materials Research</i> , <b>2007</b> , 37, 297-315	12.8	41

301	Vibronic mechanism of high-Tc superconductivity. Physical Review B, 2003, 67,	3.3	41	
300	Anisotropy and coercivity of amorphous RE-TM films. <i>IEEE Transactions on Magnetics</i> , <b>1987</b> , 23, 2269-22	1.721	41	
299	Structure of magnetic amorphous alloys studied by energy dispersive X-ray diffraction. <i>Journal of Applied Physics</i> , <b>1979</b> , 50, 1564-1569	2.5	41	
298	Relaxor ferroelectrics and intrinsic inhomogeneity. <i>Europhysics Letters</i> , <b>2005</b> , 71, 249-255	1.6	40	
297	Itinerant electrons, local moments, and magnetic correlations in the pnictide superconductors CeFeAsO1NFx and Sr(Fe1NCox)2As2. <i>Physical Review B</i> , <b>2012</b> , 85,	3.3	39	
296	Structure of bulk amorphous Pd-Ni-P alloys determined by synchrotron radiation. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , <b>1998</b> , 29, 1805-1809	2.3	38	
295	Equipartition theorem and the dynamics of liquids. <i>Physical Review B</i> , <b>2008</b> , 78,	3.3	38	
294	The effect of thermal cycling on the fracture toughness of metallic glasses. <i>Acta Materialia</i> , <b>2020</b> , 184, 100-108	8.4	38	
293	Mechanical rejuvenation in bulk metallic glass induced by thermo-mechanical creep. <i>Acta Materialia</i> , <b>2018</b> , 148, 384-390	8.4	37	
292	Temperature dependence of magnetization of amorphous Fe-B-C alloys. <i>Journal of Applied Physics</i> , <b>1979</b> , 50, 1589-1591	2.5	37	
291	Local structure of NaNbO3: A neutron scattering study. <i>Physical Review B</i> , <b>2013</b> , 88,	3.3	36	
290	Atomic mechanism of flow in simple liquids under shear. <i>Physical Review Letters</i> , <b>2012</b> , 108, 196001	7.4	36	
289	Low-temperature specific heat of the metallic glasses FexNi80⊠P14B6 with x=0,20,40,60,80. <i>Physical Review B</i> , <b>1979</b> , 20, 1211-1220	3.3	35	
288	The origin of viscosity as seen through atomic level stress correlation function. <i>Journal of Chemical Physics</i> , <b>2013</b> , 138, 044507	3.9	34	
287	Measurement of a double neutron-spin resonance and an anisotropic energy gap for underdoped superconducting NaFe0.985Co0.015As using inelastic neutron scattering. <i>Physical Review Letters</i> , <b>2013</b> , 111, 207002	7.4	34	
286	Phonon softening near the structural transition in BaFe2As2 observed by inelastic x-ray scattering. <i>Physical Review B</i> , <b>2011</b> , 84,	3.3	34	
285	Local atomic structure of relaxor ferroelectric solids determined by pulsed neutron and x-ray scattering. <i>Ferroelectrics</i> , <b>1997</b> , 199, 103-113	0.6	34	
284	Local structure of amorphous MO50Ni50 determined by anomalous x-ray scattering using synchroton radiation. <i>Solid State Communications</i> , <b>1983</b> , 48, 111-115	1.6	34	

283	. IEEE Transactions on Magnetics, <b>1978</b> , 14, 1013-1015	2	34
282	Evolution of elastic heterogeneity during aging in metallic glasses. <i>Physical Review E</i> , <b>2014</b> , 89, 062313	2.4	33
281	Structural basis for supercooled liquid fragility established by synchrotron-radiation method and computer simulation. <i>Journal of Applied Physics</i> , <b>2011</b> , 110, 043519	2.5	33
280	Electron-lattice interaction in cuprates: Effect of electron correlation. <i>Physical Review B</i> , <b>1997</b> , 55, 3163	-3.572	33
279	Theory of dynamic stripe induced superconductivity. <i>Journal of Physics Condensed Matter</i> , <b>2001</b> , 13, L16	9 <u>r</u> 18174	4 33
278	Specific heat and susceptibility of Ni-based amorphous alloys with dilute Fe. <i>Journal of Applied Physics</i> , <b>1978</b> , 49, 1730-1732	2.5	33
277	Mechanical failure and glass transition in metallic glasses. <i>Journal of Alloys and Compounds</i> , <b>2011</b> , 509, S82-S86	5.7	32
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