

Mingwei Chen

List of Publications by Citations

Source: <https://exaly.com/author-pdf/3760519/mingwei-chen-publications-by-citations.pdf>

Version: 2024-04-26

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

405
papers

44,466
citations

99
h-index

203
g-index

412
ext. papers

49,937
ext. citations

10.2
avg, IF

7.72
L-index

#	Paper	IF	Citations
405	Photoluminescence from chemically exfoliated MoS ₂ . <i>Nano Letters</i> , 2011 , 11, 5111-6	11.5	2897
404	High tensile ductility in a nanostructured metal. <i>Nature</i> , 2002 , 419, 912-5	50.4	2143
403	Enhanced catalytic activity in strained chemically exfoliated WS ₂ nanosheets for hydrogen evolution. <i>Nature Materials</i> , 2013 , 12, 850-5	27	2039
402	Nanoporous metal/oxide hybrid electrodes for electrochemical supercapacitors. <i>Nature Nanotechnology</i> , 2011 , 6, 232-6	28.7	1705
401	Conducting MoS ₂ nanosheets as catalysts for hydrogen evolution reaction. <i>Nano Letters</i> , 2013 , 13, 6222-7	11.5	1613
400	A precipitation-hardened high-entropy alloy with outstanding tensile properties. <i>Acta Materialia</i> , 2016 , 102, 187-196	8.4	1020
399	Deformation twinning in nanocrystalline aluminum. <i>Science</i> , 2003 , 300, 1275-7	33.3	910
398	Coherent atomic and electronic heterostructures of single-layer MoS ₂ . <i>ACS Nano</i> , 2012 , 6, 7311-7	16.7	696
397	Atomic origins of the high catalytic activity of nanoporous gold. <i>Nature Materials</i> , 2012 , 11, 775-80	27	687
396	High catalytic activity of nitrogen and sulfur co-doped nanoporous graphene in the hydrogen evolution reaction. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 2131-6	16.4	641
395	Multifunctional Porous Graphene for High-Efficiency Steam Generation by Heat Localization. <i>Advanced Materials</i> , 2015 , 27, 4302-7	24	597
394	Efficient hydrogen production on MoNi electrocatalysts with fast water dissociation kinetics. <i>Nature Communications</i> , 2017 , 8, 15437	17.4	583
393	Oxygen reduction in nanoporous metal-ionic liquid composite electrocatalysts. <i>Nature Materials</i> , 2010 , 9, 904-7	27	556
392	Covalent functionalization of monolayered transition metal dichalcogenides by phase engineering. <i>Nature Chemistry</i> , 2015 , 7, 45-9	17.6	524
391	Tunable photoluminescence from graphene oxide. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 6662-6	16.4	520
390	Ultrastrong steel via minimal lattice misfit and high-density nanoprecipitation. <i>Nature</i> , 2017 , 544, 460-464	50.4	512
389	Nanoporous Graphene with Single-Atom Nickel Dopants: An Efficient and Stable Catalyst for Electrochemical Hydrogen Production. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 14031-5	16.4	480

388	Mechanical Behavior of Metallic Glasses: Microscopic Understanding of Strength and Ductility. <i>Annual Review of Materials Research</i> , 2008 , 38, 445-469	12.8	468
387	Core-shell-structured CNT@RuO(2) composite as a high-performance cathode catalyst for rechargeable Li-O(2) batteries. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 442-6	16.4	453
386	Experimental characterization of shear transformation zones for plastic flow of bulk metallic glasses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 14769-72	11.5	419
385	Versatile nanoporous bimetallic phosphides towards electrochemical water splitting. <i>Energy and Environmental Science</i> , 2016 , 9, 2257-2261	35.4	409
384	Shock-induced localized amorphization in boron carbide. <i>Science</i> , 2003 , 299, 1563-6	33.3	401
383	Direct observation of local atomic order in a metallic glass. <i>Nature Materials</i> , 2011 , 10, 28-33	27	391
382	Engineering water dissociation sites in MoS2 nanosheets for accelerated electrocatalytic hydrogen production. <i>Energy and Environmental Science</i> , 2016 , 9, 2789-2793	35.4	386
381	Metallic mesoporous nanocomposites for electrocatalysis. <i>Journal of the American Chemical Society</i> , 2004 , 126, 6876-7	16.4	370
380	Nanoporous Metals for Catalytic and Optical Applications. <i>MRS Bulletin</i> , 2009 , 34, 569-576	3.2	348
379	Highly optimized embedded-atom-method potentials for fourteen fcc metals. <i>Physical Review B</i> , 2011 , 83,	3.3	340
378	Geometric frustration of icosahedron in metallic glasses. <i>Science</i> , 2013 , 341, 376-9	33.3	318
377	Ultrafine nanoporous gold by low-temperature dealloying and kinetics of nanopore formation. <i>Applied Physics Letters</i> , 2007 , 91, 083105	3.4	300
376	A brief overview of bulk metallic glasses. <i>NPG Asia Materials</i> , 2011 , 3, 82-90	10.3	291
375	Surface enhanced Raman scattering of nanoporous gold: Smaller pore sizes stronger enhancements. <i>Applied Physics Letters</i> , 2007 , 90, 153120	3.4	291
374	Characterization of nanoscale mechanical heterogeneity in a metallic glass by dynamic force microscopy. <i>Physical Review Letters</i> , 2011 , 106, 125504	7.4	286
373	Nanoporous Copper with Tunable Nanoporosity for SERS Applications. <i>Advanced Functional Materials</i> , 2009 , 19, 1221-1226	15.6	286
372	Atomic structure of nanoclusters in oxide-dispersion-strengthened steels. <i>Nature Materials</i> , 2011 , 10, 922-6	27	279
371	Fe2O3 nanocrystals anchored onto graphene nanosheets as the anode material for low-cost sodium-ion batteries. <i>Chemical Communications</i> , 2014 , 50, 1215-7	5.8	266

370	Nanoporous Metals by Dealloying Multicomponent Metallic Glasses. <i>Chemistry of Materials</i> , 2008 , 20, 4548-4550	9.6	248
369	Extraordinary plasticity of ductile bulk metallic glasses. <i>Physical Review Letters</i> , 2006 , 96, 245502	7.4	248
368	A layered P2- and O3-type composite as a high-energy cathode for rechargeable sodium-ion batteries. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 5894-9	16.4	245
367	Relating activation of shear transformation zones to α -relaxations in metallic glasses. <i>Physical Review B</i> , 2010 , 81,	3.3	238
366	Bicontinuous nanoporous N-doped graphene for the oxygen reduction reaction. <i>Advanced Materials</i> , 2014 , 26, 4145-50	24	229
365	Nanoporous PdNi Bimetallic Catalyst with Enhanced Electrocatalytic Performances for Electro-oxidation and Oxygen Reduction Reactions. <i>Advanced Functional Materials</i> , 2011 , 21, 4364-4370	15.6	227
364	Enhanced tensile ductility and toughness in nanostructured Cu. <i>Applied Physics Letters</i> , 2002 , 80, 2395-2397	3.97	223
363	Grain rotation mediated by grain boundary dislocations in nanocrystalline platinum. <i>Nature Communications</i> , 2014 , 5, 4402	17.4	222
362	Rapid Degradation of Azo Dye by Fe-Based Metallic Glass Powder. <i>Advanced Functional Materials</i> , 2012 , 22, 2567-2570	15.6	214
361	ALON: A brief history of its emergence and evolution. <i>Journal of the European Ceramic Society</i> , 2009 , 29, 223-236	6	212
360	Wrinkled nanoporous gold films with ultrahigh surface-enhanced Raman scattering enhancement. <i>ACS Nano</i> , 2011 , 5, 4407-13	16.7	209
359	Three-dimensional morphology of nanoporous gold. <i>Applied Physics Letters</i> , 2008 , 92, 251902	3.4	206
358	Enhanced supercapacitor performance of MnO ₂ by atomic doping. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 1664-7	16.4	204
357	High-performance symmetric sodium-ion batteries using a new, bipolar O3-type material, Na _{0.8} Ni _{0.4} Ti _{0.6} O ₂ . <i>Energy and Environmental Science</i> , 2015 , 8, 1237-1244	35.4	193
356	Nanostructured materials as catalysts: nanoporous-gold-catalyzed oxidation of organosilanes with water. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 10093-5	16.4	190
355	Nanoporous metal enhanced catalytic activities of amorphous molybdenum sulfide for high-efficiency hydrogen production. <i>Advanced Materials</i> , 2014 , 26, 3100-4	24	188
354	Quasicrystals in a partially devitrified Zr ₆₅ Al _{7.5} Ni ₁₀ Cu _{12.5} Ag ₅ bulk metallic glass. <i>Applied Physics Letters</i> , 1999 , 75, 1697-1699	3.4	185
353	High-quality three-dimensional nanoporous graphene. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 4822-6	16.4	184

352	Zinc-Mediated Template Synthesis of Fe-N-C Electrocatalysts with Densely Accessible Fe-N Active Sites for Efficient Oxygen Reduction. <i>Advanced Materials</i> , 2020 , 32, e1907399	24	183
351	Effect of defects on fracture strength of graphene sheets. <i>Computational Materials Science</i> , 2012 , 54, 236-239	3.2	183
350	Li storage in 3D nanoporous Au-supported nanocrystalline tin. <i>Advanced Materials</i> , 2011 , 23, 2443-7	24	183
349	Dealloying to nanoporous Au/Pt alloys and their structure sensitive electrocatalytic properties. <i>Physical Chemistry Chemical Physics</i> , 2010 , 12, 239-46	3.6	183
348	Mechanical properties of refractory high-entropy alloys: Experiments and modeling. <i>Journal of Alloys and Compounds</i> , 2017 , 696, 1139-1150	5.7	177
347	3D Nanoporous Nitrogen-Doped Graphene with Encapsulated RuO ₂ Nanoparticles for Li-O ₂ Batteries. <i>Advanced Materials</i> , 2015 , 27, 6137-43	24	174
346	Lithiophilic 3D Nanoporous Nitrogen-Doped Graphene for Dendrite-Free and Ultrahigh-Rate Lithium-Metal Anodes. <i>Advanced Materials</i> , 2019 , 31, e1805334	24	173
345	Single molecule detection from a large-scale SERS-active Au@Ag substrate. <i>Scientific Reports</i> , 2011 , 1, 112	4.9	172
344	Metal and Nonmetal Codoped 3D Nanoporous Graphene for Efficient Bifunctional Electrocatalysis and Rechargeable Zn-Air Batteries. <i>Advanced Materials</i> , 2019 , 31, e1900843	24	170
343	Environmentally stable interface of layered oxide cathodes for sodium-ion batteries. <i>Nature Communications</i> , 2017 , 8, 135	17.4	166
342	Atomic-scale heterogeneity of a multicomponent bulk metallic glass with excellent glass forming ability. <i>Physical Review Letters</i> , 2009 , 103, 075502	7.4	164
341	Toward the Theoretical Capacitance of RuO ₂ Reinforced by Highly Conductive Nanoporous Gold. <i>Advanced Energy Materials</i> , 2013 , 3, 851-856	21.8	162
340	Stress-temperature scaling for steady-state flow in metallic glasses. <i>Physical Review Letters</i> , 2010 , 104, 205701	7.4	162
339	A Phthalocyanine-Based Layered Two-Dimensional Conjugated Metal-Organic Framework as a Highly Efficient Electrocatalyst for the Oxygen Reduction Reaction. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 10677-10682	16.4	160
338	Evolution of a diffusion aluminide bond coat for thermal barrier coatings during thermal cycling. <i>Acta Materialia</i> , 2003 , 51, 2205-2217	8.4	160
337	Nanoporous gold based optical sensor for sub-ppt detection of mercury ions. <i>ACS Nano</i> , 2013 , 7, 4595-6006.7	6.7	156
336	Flow unit perspective on room temperature homogeneous plastic deformation in metallic glasses. <i>Physical Review Letters</i> , 2014 , 113, 045501	7.4	147
335	Intrinsic correlation between β -relaxation and spatial heterogeneity in a metallic glass. <i>Nature Communications</i> , 2016 , 7, 11516	17.4	147

334	A Three-Dimensional Gold-Decorated Nanoporous Copper CoreShell Composite for Electrocatalysis and Nonenzymatic Biosensing. <i>Advanced Functional Materials</i> , 2010 , 20, 2279-2285	15.6	146
333	Atomic structure of amorphous shear bands in boron carbide. <i>Nature Communications</i> , 2013 , 4, 2483	17.4	145
332	Self-grown oxy-hydroxide@ nanoporous metal electrode for high-performance supercapacitors. <i>Advanced Materials</i> , 2014 , 26, 269-72	24	143
331	3D Nanoporous Metal Phosphides toward High-Efficiency Electrochemical Hydrogen Production. <i>Advanced Materials</i> , 2016 , 28, 2951-5	24	137
330	Chemically exfoliated ReS ₂ nanosheets. <i>Nanoscale</i> , 2014 , 6, 12458-62	7.7	136
329	In situ atomic-scale observation of continuous and reversible lattice deformation beyond the elastic limit. <i>Nature Communications</i> , 2013 , 4, 2413	17.4	135
328	Geometrically Controlled Nanoporous PdAu Bimetallic Catalysts with Tunable Pd/Au Ratio for Direct Ethanol Fuel Cells. <i>ACS Catalysis</i> , 2013 , 3, 1220-1230	13.1	129
327	Depressurization amorphization of single-crystal boron carbide. <i>Physical Review Letters</i> , 2009 , 102, 075505	9.4	126
326	Dynamic plasticity and failure of high-purity alumina under shock loading. <i>Nature Materials</i> , 2006 , 5, 614-87	8.7	126
325	Field emission from atomically thin edges of reduced graphene oxide. <i>ACS Nano</i> , 2011 , 5, 4945-52	16.7	125
324	Fabrication of large-scale nanoporous nickel with a tunable pore size for energy storage. <i>Journal of Power Sources</i> , 2014 , 247, 896-905	8.9	123
323	Atomic-Sized Pores Enhanced Electrocatalysis of TaS Nanosheets for Hydrogen Evolution. <i>Advanced Materials</i> , 2016 , 28, 8945-8949	24	121
322	High Catalytic Activity of Nitrogen and Sulfur Co-Doped Nanoporous Graphene in the Hydrogen Evolution Reaction. <i>Angewandte Chemie</i> , 2015 , 127, 2159-2164	3.6	118
321	Novel Nanoporous AuPd Alloy with High Catalytic Activity and Excellent Electrochemical Stability. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 2600-2603	3.8	118
320	Structural origins of Johari-Goldstein relaxation in a metallic glass. <i>Nature Communications</i> , 2014 , 5, 32387.4	7.4	117
319	Microstructure characterization of Cu-rich nanoprecipitates in a Fe _{0.5} Cu _{0.5} Mn _{0.0} Ni _{0.0} Al multicomponent ferritic alloy. <i>Acta Materialia</i> , 2013 , 61, 2133-2147	8.4	117
318	Localized surface plasmon resonance of nanoporous gold. <i>Applied Physics Letters</i> , 2011 , 98, 093701	3.4	117
317	Effect of Chemical Doping on Cathodic Performance of Bicontinuous Nanoporous Graphene for Li-O ₂ Batteries. <i>Advanced Energy Materials</i> , 2016 , 6, 1501870	21.8	116

316	Microstructural Characterization of Commercial Hot-Pressed Boron Carbide Ceramics. <i>Journal of the American Ceramic Society</i> , 2005 , 88, 1935-1942	3.8	115
315	Bicontinuous nanotubular graphene/polypyrrole hybrid for high performance flexible supercapacitors. <i>Nano Energy</i> , 2016 , 19, 391-400	17.1	114
314	A High-Voltage and Ultralong-Life Sodium Full Cell for Stationary Energy Storage. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 11701-5	16.4	112
313	Thermodynamic origins of shear band formation and the universal scaling law of metallic glass strength. <i>Physical Review Letters</i> , 2009 , 103, 065504	7.4	112
312	Monodispersed hierarchical Co ₃ O ₄ spheres intertwined with carbon nanotubes for use as anode materials in sodium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 13805	13	110
311	Three-Dimensional (3D) Bicontinuous Au/Amorphous-Ge Thin Films as Fast and High-Capacity Anodes for Lithium-Ion Batteries. <i>Advanced Energy Materials</i> , 2013 , 3, 281-285	21.8	109
310	Unveiling Electronic Properties in Metal-Phthalocyanine-Based Pyrazine-Linked Conjugated Two-Dimensional Covalent Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2019 , 141, 16810-16816	16.4	107
309	A Core-Shell Nanoporous Pt-Cu Catalyst with Tunable Composition and High Catalytic Activity. <i>Advanced Functional Materials</i> , 2013 , 23, 4156-4162	15.6	103
308	Atomic observation of catalysis-induced nanopore coarsening of nanoporous gold. <i>Nano Letters</i> , 2014 , 14, 1172-7	11.5	100
307	Formation of an intermediate compound with a B ₁₂ H ₁₂ cluster: experimental and theoretical studies on magnesium borohydride Mg(BH ₄) ₂ . <i>Nanotechnology</i> , 2009 , 20, 204013	3.4	99
306	High Strength and Good Ductility of Bulk Quasicrystalline Base Alloys in Zr ₆₅ Al _{7.5} Ni ₁₀ Cu _{17.5} -xPd _x System. <i>Materials Transactions, JIM</i> , 1999 , 40, 1137-1143		99
305	High-temperature bulk metallic glasses developed by combinatorial methods. <i>Nature</i> , 2019 , 569, 99-103	50.4	98
304	Raman spectroscopy of pressure-induced amorphous boron carbide. <i>Applied Physics Letters</i> , 2006 , 88, 131905	3.4	98
303	Structural origins of the excellent glass forming ability of Pd ₄₀ Ni ₄₀ P ₂₀ . <i>Physical Review Letters</i> , 2012 , 108, 175501	7.4	97
302	Atomic-scale disproportionation in amorphous silicon monoxide. <i>Nature Communications</i> , 2016 , 7, 11591	17.4	96
301	Aligned Nanoporous Pt-Cu Bimetallic Microwires with High Catalytic Activity toward Methanol Electrooxidation. <i>ACS Catalysis</i> , 2015 , 5, 3779-3785	13.1	96
300	Surface coating of lithium/manganese-rich layered oxides with delaminated MnO ₂ nanosheets as cathode materials for Li-ion batteries. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 4422	13	95
299	First-order liquid-liquid phase transition in cerium. <i>Physical Review Letters</i> , 2013 , 110, 125503	7.4	95

298	RETRACTED [Formation and properties of Zr-based bulk quasicrystalline alloys with high strength and good ductility. <i>Journal of Materials Research</i> , 2000 , 15, 2195-2208	2.5	95
297	Myotube formation on gelatin nanofibers - multi-walled carbon nanotubes hybrid scaffolds. <i>Biomaterials</i> , 2014 , 35, 6268-77	15.6	93
296	Three-dimensional bicontinuous nanoporous Au/polyaniline hybrid films for high-performance electrochemical supercapacitors. <i>Journal of Power Sources</i> , 2012 , 197, 325-329	8.9	93
295	Reversible anionic redox activity in Na ₃ RuO ₄ cathodes: a prototype Na-rich layered oxide. <i>Energy and Environmental Science</i> , 2018 , 11, 299-305	35.4	90
294	Enhanced mechanical properties of nanocrystalline boron carbide by nanoporosity and interface phases. <i>Nature Communications</i> , 2012 , 3, 1052	17.4	89
293	Regulating infrared photoresponses in reduced graphene oxide phototransistors by defect and atomic structure control. <i>ACS Nano</i> , 2013 , 7, 6310-20	16.7	89
292	Correlation between Chemical Dopants and Topological Defects in Catalytically Active Nanoporous Graphene. <i>Advanced Materials</i> , 2016 , 28, 10644-10651	24	88
291	A high-capacity, low-cost layered sodium manganese oxide material as cathode for sodium-ion batteries. <i>ChemSusChem</i> , 2014 , 7, 2115-9	8.3	83
290	Dispersing Pt atoms onto nanoporous gold for high performance direct formic acid fuel cells. <i>Chemical Science</i> , 2014 , 5, 403-409	9.4	81
289	Chemical Vapor Deposition of Monolayer Mo(1-x)W(x)S ₂ Crystals with Tunable Band Gaps. <i>Scientific Reports</i> , 2016 , 6, 21536	4.9	80
288	High-energy-density nonaqueous MnO ₂ @nanoporous gold based supercapacitors. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 9202	13	78
287	Nanoporous metal based flexible asymmetric pseudocapacitors. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 10910-10916	13	77
286	Correlation between Local Structure Order and Spatial Heterogeneity in a Metallic Glass. <i>Physical Review Letters</i> , 2017 , 119, 215501	7.4	77
285	New twinning route in face-centered cubic nanocrystalline metals. <i>Nature Communications</i> , 2017 , 8, 21427.4	7.4	75
284	Precipitation of icosahedral phase from a supercooled liquid region in Zr ₆₅ Cu _{7.5} Al _{7.5} Ni ₁₀ Ag ₁₀ metallic glass. <i>Applied Physics Letters</i> , 1999 , 75, 3497-3499	3.4	75
283	Understanding sodium-ion diffusion in layered P2 and P3 oxides via experiments and first-principles calculations: a bridge between crystal structure and electrochemical performance. <i>NPG Asia Materials</i> , 2016 , 8, e266-e266	10.3	74
282	Evolution of structural and dynamic heterogeneities and activation energy distribution of deformation units in metallic glass. <i>Applied Physics Letters</i> , 2013 , 102, 101903	3.4	73
281	Geometric effect on surface enhanced Raman scattering of nanoporous gold: Improving Raman scattering by tailoring ligament and nanopore ratios. <i>Applied Physics Letters</i> , 2009 , 94, 213109	3.4	73

280	Coral-Shaped MoS Decorated with Graphene Quantum Dots Performing as a Highly Active Electrocatalyst for Hydrogen Evolution Reaction. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 3653-3680	9.5	72
279	Periosteum-mimetic structures made from freestanding microgrooved nanosheets. <i>Advanced Materials</i> , 2014 , 26, 3290-6	24	72
278	Characteristic Length and Temperature Dependence of Surface Enhanced Raman Scattering of Nanoporous Gold. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 10956-10961	3.8	72
277	Unusually small electrical resistance of three-dimensional nanoporous gold in external magnetic fields. <i>Physical Review Letters</i> , 2008 , 101, 166601	7.4	72
276	Ductile quasicrystalline alloys. <i>Applied Physics Letters</i> , 2000 , 76, 967-969	3.4	72
275	Aerobic oxidation of alcohols in the liquid phase with nanoporous gold catalysts. <i>Chemical Communications</i> , 2012 , 48, 4540-2	5.8	71
274	Liquid-gated ambipolar transport in ultrathin films of a topological insulator Bi ₂ Te ₃ . <i>Nano Letters</i> , 2011 , 11, 2601-5	11.5	71
273	Ultra-Large Room-Temperature Compressive Plasticity of a Nanocrystalline Metal. <i>Nano Letters</i> , 2007 , 7, 2108-2111	11.5	71
272	Hybrid nanostructured aluminum alloy with super-high strength. <i>NPG Asia Materials</i> , 2015 , 7, e229-e229	10.3	70
271	Nanoporous metal by dealloying for electrochemical energy conversion and storage. <i>MRS Bulletin</i> , 2018 , 43, 43-48	3.2	69
270	Nanoporous Graphene with Single-Atom Nickel Dopants: An Efficient and Stable Catalyst for Electrochemical Hydrogen Production. <i>Angewandte Chemie</i> , 2015 , 127, 14237-14241	3.6	69
269	Three-dimensional bicontinuous nanoporous materials by vapor phase dealloying. <i>Nature Communications</i> , 2018 , 9, 276	17.4	68
268	Nucleation of shear bands in amorphous alloys. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 3938-42	11.5	68
267	Electroplated Thick Manganese Oxide Films with Ultrahigh Capacitance. <i>Advanced Energy Materials</i> , 2013 , 3, 857-863	21.8	68
266	Enhanced Supercapacitor Performance of MnO ₂ by Atomic Doping. <i>Angewandte Chemie</i> , 2013 , 125, 1708-1711	16.7	67
265	Micromechanisms of serrated flow in a Ni ₅₀ Pd ₃₀ P ₂₀ bulk metallic glass with a large compression plasticity. <i>Acta Materialia</i> , 2008 , 56, 2834-2842	8.4	67
264	Epitaxial casting of nanotubular mesoporous platinum. <i>Angewandte Chemie - International Edition</i> , 2005 , 44, 4002-6	16.4	67
263	Ferritic Alloys with Extreme Creep Resistance via Coherent Hierarchical Precipitates. <i>Scientific Reports</i> , 2015 , 5, 16327	4.9	66

262	Coupling between chemical and dynamic heterogeneities in a multicomponent bulk metallic glass. <i>Physical Review B</i> , 2010 , 81,	3.3	66
261	Correlation between structural relaxation and shear transformation zone volume of a bulk metallic glass. <i>Applied Physics Letters</i> , 2009 , 95, 141909	3.4	66
260	Visualizing Under-Coordinated Surface Atoms on 3D Nanoporous Gold Catalysts. <i>Advanced Materials</i> , 2016 , 28, 1753-9	24	65
259	Synergistic alloying effect on microstructural evolution and mechanical properties of Cu precipitation-strengthened ferritic alloys. <i>Acta Materialia</i> , 2013 , 61, 7726-7740	8.4	65
258	High-Resolution Electrochemical Mapping of the Hydrogen Evolution Reaction on Transition-Metal Dichalcogenide Nanosheets. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 3601-3608	16.4	65
257	Spatial heterogeneity as the structure feature for structure-property relationship of metallic glasses. <i>Nature Communications</i> , 2018 , 9, 3965	17.4	65
256	Asymmetric metal oxide pseudocapacitors advanced by three-dimensional nanoporous metal electrodes. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 8448	13	64
255	Enhanced Superconductivity in Restacked TaS Nanosheets. <i>Journal of the American Chemical Society</i> , 2017 , 139, 4623-4626	16.4	62
254	A nanoscale co-precipitation approach for property enhancement of Fe-base alloys. <i>Scientific Reports</i> , 2013 , 3, 1327	4.9	62
253	Enhance the thermal stability and glass forming ability of Al-based metallic glass by Ca minor-alloying. <i>Intermetallics</i> , 2012 , 29, 35-40	3.5	61
252	Structure and mechanical properties of boron-rich boron carbides. <i>Journal of the European Ceramic Society</i> , 2017 , 37, 4514-4523	6	60
251	Observation of superconductivity in 1T'-MoS ₂ nanosheets. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 10855-10860	7.1	60
250	Macrodeformation Twins in Single-Crystal Aluminum. <i>Physical Review Letters</i> , 2016 , 116, 075501	7.4	58
249	Microstructural characterization of boron-rich boron carbide. <i>Acta Materialia</i> , 2017 , 136, 202-214	8.4	58
248	Effect of Residual Silver on Surface-Enhanced Raman Scattering of Dealloyed Nanoporous Gold. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 19583-19587	3.8	58
247	Full Performance Nanoporous Graphene Based Li-O ₂ Batteries through Solution Phase Oxygen Reduction and Redox-Additive Mediated Li ₂ O ₂ Oxidation. <i>Advanced Energy Materials</i> , 2017 , 7, 1601933	21.8	57
246	Low-Temperature Carbide-Mediated Growth of Bicontinuous Nitrogen-Doped Mesoporous Graphene as an Efficient Oxygen Reduction Electrocatalyst. <i>Advanced Materials</i> , 2018 , 30, e1803588	24	57
245	On-Chip Micro-Pseudocapacitors for Ultrahigh Energy and Power Delivery. <i>Advanced Science</i> , 2015 , 2, 1500067	13.6	57

244	Characterization of oxide nanoprecipitates in an oxide dispersion strengthened 14YWT steel using aberration-corrected STEM. <i>Acta Materialia</i> , 2012 , 60, 5686-5696	8.4	57
243	Large enhancement of quantum dot fluorescence by highly scalable nanoporous gold. <i>Advanced Materials</i> , 2014 , 26, 1289-94	24	56
242	Biofunctionalized nanoporous gold for electrochemical biosensors. <i>Electrochimica Acta</i> , 2012 , 67, 1-5	6.7	56
241	A nanostructured skeleton catalyst: Suzuki-coupling with a reusable and sustainable nanoporous metallic glass Pd-catalyst. <i>Chemical Communications</i> , 2011 , 47, 5985-7	5.8	55
240	Tensile behavior and dynamic failure of aluminum 6092/B4C composites. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2006 , 433, 70-82	5.3	55
239	Intercalation pseudocapacitance of amorphous titanium dioxide@nanoporous graphene for high-rate and large-capacity energy storage. <i>Nano Energy</i> , 2018 , 49, 354-362	17.1	54
238	Size Effects in the Mechanical Properties of Bulk Bicontinuous Ta/Cu Nanocomposites Made by Liquid Metal Dealloying. <i>Advanced Engineering Materials</i> , 2016 , 18, 46-50	3.5	53
237	Direct observation of interlocked domain walls in hexagonal RMnO ₃ (R=Tm, Lu). <i>Physical Review B</i> , 2012 , 85,	3.3	53
236	The atomic origin of nickel-doping-induced catalytic enhancement in MoS for electrochemical hydrogen production. <i>Nanoscale</i> , 2019 , 11, 7123-7128	7.7	52
235	A nanoporous metal recuperated MnO ₂ anode for lithium ion batteries. <i>Nanoscale</i> , 2015 , 7, 15111-6	7.7	52
234	Dynamic Compressive Failure of ALON Under Controlled Planar Confinement. <i>Journal of the American Ceramic Society</i> , 2008 , 91, 3619-3629	3.8	52
233	Strengthening and softening of nanocrystalline nickel during multistep nanoindentation. <i>Applied Physics Letters</i> , 2006 , 88, 161922	3.4	52
232	Heavily Doped and Highly Conductive Hierarchical Nanoporous Graphene for Electrochemical Hydrogen Production. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 13302-13307	16.4	51
231	A Phthalocyanine-Based Layered Two-Dimensional Conjugated Metal-Organic Framework as a Highly Efficient Electrocatalyst for the Oxygen Reduction Reaction. <i>Angewandte Chemie</i> , 2019 , 131, 10787-10792	26	49
230	Extraordinary tensile strength and ductility of scalable nanoporous graphene. <i>Science Advances</i> , 2019 , 5, eaat6951	14.3	49
229	Ultrastable Silicon Anode by Three-Dimensional Nanoarchitecture Design. <i>ACS Nano</i> , 2020 , 14, 4374-4382	26.7	49
228	Reduced Graphene Oxide Thin Films as Ultrabarriers for Organic Electronics. <i>Advanced Energy Materials</i> , 2014 , 4, 1300986	21.8	49
227	Core-Shell-Structured CNT@RuO ₂ Composite as a High-Performance Cathode Catalyst for Rechargeable LiO ₂ Batteries. <i>Angewandte Chemie</i> , 2014 , 126, 452-456	3.6	49

226	Noble-Metal-Free Metallic Glass as a Highly Active and Stable Bifunctional Electrocatalyst for Water Splitting. <i>Advanced Materials Interfaces</i> , 2017 , 4, 1601086	4.6	48
225	Synthesizing 1T-1H Two-Phase MoWS Monolayers by Chemical Vapor Deposition. <i>ACS Nano</i> , 2018 , 12, 1571-1579	16.7	48
224	A room-temperature magnetic semiconductor from a ferromagnetic metallic glass. <i>Nature Communications</i> , 2016 , 7, 13497	17.4	48
223	Ultra-thin layer structured anodes for highly durable low-Pt direct formic acid fuel cells. <i>Nano Research</i> , 2014 , 7, 1569-1580	10	47
222	Size dependence of molecular fluorescence enhancement of nanoporous gold. <i>Applied Physics Letters</i> , 2010 , 96, 073701	3.4	47
221	Three-Dimensional Nanoporous CoSP Pentlandite as a Bifunctional Electrocatalyst for Overall Neutral Water Splitting. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 3880-3888	9.5	47
220	Nanocrystalline grain structures developed in commercial purity Cu by low-temperature cold rolling. <i>Journal of Materials Research</i> , 2002 , 17, 3004-3007	2.5	46
219	Engineering the internal surfaces of three-dimensional nanoporous catalysts by surfactant-modified dealloying. <i>Nature Communications</i> , 2017 , 8, 1066	17.4	45
218	Bilayered nanoporous graphene/molybdenum oxide for high rate lithium ion batteries. <i>Nano Energy</i> , 2018 , 45, 273-279	17.1	45
217	Deposition of multicomponent metallic glass films by single-target magnetron sputtering. <i>Intermetallics</i> , 2012 , 21, 105-114	3.5	45
216	Nanostructured Materials as Catalysts: Nanoporous-Gold-Catalyzed Oxidation of Organosilanes with Water. <i>Angewandte Chemie</i> , 2010 , 122, 10291-10293	3.6	44
215	Promoted oxygen reduction kinetics on nitrogen-doped hierarchically porous carbon by engineering proton-feeding centers. <i>Energy and Environmental Science</i> , 2020 , 13, 2849-2855	35.4	44
214	High-Quality Three-Dimensional Nanoporous Graphene. <i>Angewandte Chemie</i> , 2014 , 126, 4922-4926	3.6	43
213	Ultra-high capacitance of nanoporous metal enhanced conductive polymer pseudocapacitors. <i>Journal of Power Sources</i> , 2013 , 225, 304-310	8.9	43
212	Hierarchical nanoporosity enhanced reversible capacity of bicontinuous nanoporous metal based Li-O ₂ battery. <i>Scientific Reports</i> , 2016 , 6, 33466	4.9	42
211	Controlled formation and mechanical characterization of metallic glassy nanowires. <i>Advanced Materials</i> , 2010 , 22, 872-5	24	42
210	Nanoporous metal/oxide hybrid materials for rechargeable lithium-oxygen batteries. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 3620-3626	13	41
209	Raman characterization of pseudocapacitive behavior of polypyrrole on nanoporous gold. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 3523-8	3.6	41

208	Low-temperature solution-processable Ni(OH) ₂ ultrathin nanosheet/N-graphene nanohybrids for high-performance supercapacitor electrodes. <i>Nanoscale</i> , 2014 , 6, 5960-6	7.7	41
207	Direct Observations of the Formation and Redox-Mediator-Assisted Decomposition of Li O in a Liquid-Cell Li-O Microbattery by Scanning Transmission Electron Microscopy. <i>Advanced Materials</i> , 2017 , 29, 1702752	24	41
206	Influences of grain size and grain boundary segregation on mechanical behavior of nanocrystalline Ni. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2010 , 527, 2297-2304	5.3	41
205	Large surface enhanced Raman scattering enhancements from fracture surfaces of nanoporous gold. <i>Applied Physics Letters</i> , 2008 , 92, 093113	3.4	41
204	Grain Boundary Sliding and Amorphization are Responsible for the Reverse Hall-Petch Relation in Superhard Nanocrystalline Boron Carbide. <i>Physical Review Letters</i> , 2018 , 121, 145504	7.4	41
203	Terahertz and mid-infrared plasmons in three-dimensional nanoporous graphene. <i>Nature Communications</i> , 2017 , 8, 14885	17.4	40
202	Tuning Surface Structure of 3D Nanoporous Gold by Surfactant-Free Electrochemical Potential Cycling. <i>Advanced Materials</i> , 2017 , 29, 1703601	24	40
201	Operando Observations of SEI Film Evolution by Mass-Sensitive Scanning Transmission Electron Microscopy. <i>Advanced Energy Materials</i> , 2019 , 9, 1902675	21.8	39
200	Regulating the coarsening of the β phase in superalloys. <i>NPG Asia Materials</i> , 2015 , 7, e212-e212	10.3	39
199	Atomic origins of high electrochemical CO reduction efficiency on nanoporous gold. <i>Nanoscale</i> , 2018 , 10, 8372-8376	7.7	39
198	Crystalline liquid and rubber-like behavior in Cu nanowires. <i>Nano Letters</i> , 2013 , 13, 3812-6	11.5	39
197	Extraordinary Supercapacitor Performance of a Multicomponent and Mixed-Valence Oxyhydroxide. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 8100-4	16.4	39
196	Nanoporous Gold-Catalyzed [4+2] Benzannulation between ortho-Alkynylbenzaldehydes and Alkynes. <i>Synlett</i> , 2012 , 2012, 66-69	2.2	39
195	3D Bicontinuous Nanoporous Reduced Graphene Oxide for Highly Sensitive Photodetectors. <i>Advanced Functional Materials</i> , 2016 , 26, 1271-1277	15.6	39
194	Kinetic evidence for the structural similarity between a supercooled liquid and an icosahedral phase in Zr ₆₅ Al _{7.5} Ni ₁₀ Cu _{12.5} Ag ₅ bulk metallic glass. <i>Applied Physics Letters</i> , 2001 , 79, 42-44	3.4	37
193	Synthesis and optical properties of three-dimensional porous core-shell nanoarchitectures. <i>Langmuir</i> , 2008 , 24, 4426-9	4	36
192	Impurity oxygen redistribution in a nanocrystallized Zr ₆₅ Cr ₁₅ Al ₁₀ Pd ₁₀ metallic glass. <i>Applied Physics Letters</i> , 1999 , 74, 812-814	3.4	36
191	Nanotwinned Boron Suboxide (B ₆ O): New Ground State of B ₆ O. <i>Nano Letters</i> , 2016 , 16, 4236-42	11.5	35

190	A nanoporous nickel catalyst for selective hydrogenation of carbonates into formic acid in water. <i>Green Chemistry</i> , 2017 , 19, 716-721	10	35
189	Growth of Topological Insulator Bi ₂ Te ₃ Ultrathin Films on Si(111) Investigated by Low-Energy Electron Microscopy. <i>Crystal Growth and Design</i> , 2010 , 10, 4491-4493	3.5	35
188	Surface-Enhanced Raman Scattering of Silver@Nanoporous Copper Core/Shell Composites Synthesized by an In Situ Sacrificial Template Approach. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 14193-14195	3.8	35
187	Operando observations of RuO ₂ catalyzed Li ₂ O ₂ formation and decomposition in a Li-O ₂ micro-battery. <i>Nano Energy</i> , 2018 , 47, 427-433	17.1	34
186	Reusable and Sustainable Nanostructured Skeleton Catalyst: Heck Reaction with Nanoporous Metallic Glass Pd (PdNPore) as a Support, Stabilizer and Ligand-Free Catalyst. <i>Advanced Synthesis and Catalysis</i> , 2011 , 353, 2927-2932	5.6	34
185	Nanoindentation characterization of deformation and failure of aluminum oxynitride. <i>Acta Materialia</i> , 2011 , 59, 1671-1679	8.4	34
184	Grain growth behaviour of quasicrystals from the supercooled liquid region of Zr ₆₅ Cu _{7.5} Al _{7.5} Ni ₁₀ Ag ₁₀ metallic glass. <i>Philosophical Magazine Letters</i> , 2000 , 80, 79-84	1	34
183	Influence of Aging and Thermomechanical Treatments on the Mechanical Properties of a Nanocluster-Strengthened Ferritic Steel. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2012 , 43, 351-359	2.3	33
182	Origin of ferromagnetism and oxygen-vacancy ordering induced cross-controlled magnetoelectric effects at room temperature. <i>Journal of Applied Physics</i> , 2012 , 111, 073904	2.5	33
181	Crossover from stochastic activation to cooperative motions of shear transformation zones in metallic glasses. <i>Applied Physics Letters</i> , 2013 , 103, 081904	3.4	32
180	Metallic glass nanowire. <i>Nano Letters</i> , 2008 , 8, 516-9	11.5	32
179	Initial Atomic Motion Immediately Following Femtosecond-Laser Excitation in Phase-Change Materials. <i>Physical Review Letters</i> , 2016 , 117, 135501	7.4	32
178	Three-dimensional porous graphene networks expand graphene-based electronic device applications. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 6024-6033	3.6	31
177	Pressure-induced depolarization and resonance in Raman scattering of single-crystalline boron carbide. <i>Physical Review B</i> , 2010 , 81,	3.3	31
176	Nucleation of amorphous shear bands at nanotwins in boron suboxide. <i>Nature Communications</i> , 2016 , 7, 11001	17.4	30
175	Electric Properties of Dirac Fermions Captured into 3D Nanoporous Graphene Networks. <i>Advanced Materials</i> , 2016 , 28, 10304-10310	24	30
174	Capturing Reversible Cation Migration in Layered Structure Materials for Na-Ion Batteries. <i>Advanced Energy Materials</i> , 2019 , 9, 1900189	21.8	29
173	Probing the structure of a liquid metal during vitrification. <i>Acta Materialia</i> , 2015 , 87, 174-186	8.4	29

172	Unprecedented Electromagnetic Interference Shielding from Three-Dimensional Bi-continuous Nanoporous Graphene. <i>Matter</i> , 2019 , 1, 1077-1087	12.7	28
171	Composition mediated serration dynamics in Zr-based bulk metallic glasses. <i>Applied Physics Letters</i> , 2015 , 107, 201902	3.4	28
170	Mechanical scratching induced phase transitions and reactions of boron carbide. <i>Journal of Applied Physics</i> , 2006 , 100, 123517	2.5	28
169	Locating Si atoms in Si-doped boron carbide: A route to understand amorphization mitigation mechanism. <i>Acta Materialia</i> , 2018 , 157, 106-113	8.4	27
168	The synergistic effect of nanoporous AuPd alloy catalysts on highly chemoselective 1,4-hydrosilylation of conjugated cyclic enones. <i>Chemical Communications</i> , 2014 , 50, 3344-6	5.8	27
167	Three-Dimensional Hierarchical Nanoporosity for Ultrahigh Power and Excellent Cyclability of Electrochemical Pseudocapacitors. <i>Advanced Energy Materials</i> , 2014 , 4, 1301809	21.8	27
166	Free-standing nanoporous gold for direct plasmon enhanced electro-oxidation of alcohol molecules. <i>Nano Energy</i> , 2019 , 56, 286-293	17.1	27
165	Low temperature uniform plastic deformation of metallic glasses during elastic iteration. <i>Acta Materialia</i> , 2012 , 60, 3741-3747	8.4	26
164	Sample size induced brittle-to-ductile transition of single-crystal aluminum nitride. <i>Acta Materialia</i> , 2015 , 88, 252-259	8.4	25
163	Electrochemical synthesis of palladium nanostructures with controllable morphology. <i>Nanotechnology</i> , 2010 , 21, 85601	3.4	25
162	Tailored nanoporous gold for ultrahigh fluorescence enhancement. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 3795-9	3.6	25
161	Interface structure and properties of a brass-reinforced Ni ₅₉ Zr ₂₀ Ti ₁₆ Si ₂ Sn ₃ bulk metallic glass composite. <i>Acta Materialia</i> , 2008 , 56, 3077-3087	8.4	25
160	Dealloying Kinetics of AgAu Nanoparticles by Liquid-Cell Scanning Transmission Electron Microscopy. <i>Nano Letters</i> , 2020 , 20, 1944-1951	11.5	24
159	Online Monitoring of Superoxide Anions Released from Skeletal Muscle Cells Using an Electrochemical Biosensor Based on Thick-Film Nanoporous Gold. <i>ACS Sensors</i> , 2016 , 1, 921-928	9.2	24
158	Comment on "Grain boundary-mediated plasticity in nanocrystalline nickel". <i>Science</i> , 2005 , 308, 356; author reply 356	33.3	24
157	Graphene-based quasi-solid-state lithium-oxygen batteries with high energy efficiency and a long cycling lifetime. <i>NPG Asia Materials</i> , 2018 , 10, 1037-1045	10.3	24
156	Distortion of Local Atomic Structures in Amorphous Ge-Sb-Te Phase Change Materials. <i>Physical Review Letters</i> , 2018 , 120, 205502	7.4	24
155	High-quality single-layer nanosheets of MS ₂ (M = Mo, Nb, Ta, Ti) directly exfoliated from AMS ₂ (A = Li, Na, K) crystals. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 5977-5983	7.1	23

154	3D bicontinuous nanoporous plasmonic heterostructure for enhanced hydrogen evolution reaction under visible light. <i>Nano Energy</i> , 2019 , 58, 552-559	17.1	23
153	Crystallization during bending of a Pd-based metallic glass detected by x-ray microscopy. <i>Physical Review Letters</i> , 2012 , 109, 085501	7.4	23
152	Atomic and electronic structure of Pd ₄₀ Ni ₄₀ P ₂₀ bulk metallic glass from ab initio simulations. <i>Physical Review B</i> , 2011 , 84,	3.3	23
151	Effect of heavy boron doping on pressure-induced phase transitions in single-crystal silicon. <i>Applied Physics Letters</i> , 2005 , 87, 191911	3.4	23
150	Diffusionally accommodated interfacial sliding in metal-silicon systems. <i>Acta Materialia</i> , 2003 , 51, 2831-2846	28.4	23
149	Time-resolved atomic-scale observations of deformation and fracture of nanoporous gold under tension. <i>Acta Materialia</i> , 2019 , 165, 99-108	8.4	23
148	Two-Dimensional Hallmark of Highly Interconnected Three-Dimensional Nanoporous Graphene. <i>ACS Omega</i> , 2017 , 2, 3691-3697	3.9	22
147	Microstructural characterization of a platinum-modified diffusion aluminide bond coat for thermal barrier coatings. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2003 , 34, 2289-2299	2.3	22
146	Large-scale growth of sharp gold nano-cones for single-molecule SERS detection. <i>RSC Advances</i> , 2016 , 6, 2882-2887	3.7	21
145	Asymmetric twins in rhombohedral boron carbide. <i>Applied Physics Letters</i> , 2014 , 104, 021907	3.4	21
144	Nanoporous Metal Papers for Scalable Hierarchical Electrode. <i>Advanced Science</i> , 2015 , 2, 1500086	13.6	21
143	Metallic Glass as a Mechanical Material for Microscanners. <i>Advanced Functional Materials</i> , 2015 , 25, 5677-5682	15.6	21
142	Temperature-induced anomalous brittle-to-ductile transition of bulk metallic glasses. <i>Applied Physics Letters</i> , 2011 , 99, 241907	3.4	21
141	Doping Effect on High-Pressure Structural Stability of ZnO Nanowires. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 1164-1167	3.8	21
140	Atomic force microscopy study of plastic deformation and interfacial sliding in Al thin film: Si substrate systems due to thermal cycling. <i>Applied Physics Letters</i> , 2000 , 77, 4298-4300	3.4	21
139	Fast coalescence of metallic glass nanoparticles. <i>Nature Communications</i> , 2019 , 10, 5249	17.4	21
138	Operando characterization of cathodic reactions in a liquid-state lithium-oxygen micro-battery by scanning transmission electron microscopy. <i>Scientific Reports</i> , 2018 , 8, 3134	4.9	20
137	Electron holography of single-crystal iron nanorods encapsulated in carbon nanotubes. <i>Journal of Applied Physics</i> , 2007 , 101, 014323	2.5	20

136	Vapor phase dealloying: A versatile approach for fabricating 3D porous materials. <i>Acta Materialia</i> , 2019 , 163, 161-172	8.4	20
135	Tunable Nanoporous Metallic Glasses Fabricated by Selective Phase Dissolution and Passivation for Ultrafast Hydrogen Uptake. <i>Chemistry of Materials</i> , 2017 , 29, 4478-4483	9.6	19
134	Evaluating the catalytic activity of transition metal dimers for the oxygen reduction reaction. <i>Journal of Colloid and Interface Science</i> , 2020 , 568, 54-62	9.3	19
133	Three-Dimensional Nanoporous Heterojunction of Monolayer MoS ₂ @rGO for Photoenhanced Hydrogen Evolution Reaction. <i>ACS Applied Energy Materials</i> , 2018 , 1, 2183-2191	6.1	19
132	Thermal properties of nanoporous gold. <i>Physical Review B</i> , 2012 , 85,	3.3	19
131	Remarkable effect of minor boron doping on the formation of the largest size Ni-rich bulk metallic glasses. <i>Scripta Materialia</i> , 2009 , 60, 925-928	5.6	19
130	Glass-Forming Ability and Properties of New Au-Based Glassy Alloys with Low Au Concentrations. <i>Materials Transactions</i> , 2009 , 50, 1290-1293	1.3	19
129	Plastic deformation and interfacial sliding in Al and Cu thin film: Si substrate systems due to thermal cycling. <i>Journal of Electronic Materials</i> , 2001 , 30, 1537-1548	1.9	19
128	Environment-Sensitive Thermal Coarsening of Nanoporous Gold. <i>Materials Transactions</i> , 2015 , 56, 468-472		18
127	Doping and temperature dependence of Raman scattering from NdFeAsO _{1-x} F _x (x=0.0-0.2) superconductor. <i>Physical Review B</i> , 2009 , 79,	3.3	18
126	Nano-twinned structure and photocatalytic properties under visible light for undoped nano-titania synthesised by hydrothermal reaction in water-ethanol mixture. <i>Journal of Supercritical Fluids</i> , 2011 , 58, 136-141	4.2	18
125	Fracture behavior of a nanocrystallized Zr ₆₅ Cu ₁₅ Al ₁₀ Pd ₁₀ metallic glass. <i>Applied Physics Letters</i> , 1999 , 74, 2131-2133	3.4	18
124	Unveiling Three-Dimensional Stacking Sequences of 1T Phase MoS Monolayers by Electron Diffraction. <i>ACS Nano</i> , 2016 , 10, 10308-10316	16.7	17
123	Non-aqueous nanoporous gold based supercapacitors with high specific energy. <i>Scripta Materialia</i> , 2016 , 116, 76-81	5.6	17
122	In situ Raman characterization of reversible phase transition in stress-induced amorphous silicon. <i>Applied Physics Letters</i> , 2007 , 91, 101903	3.4	17
121	Scanning distortion correction in STEM images. <i>Ultramicroscopy</i> , 2018 , 184, 274-283	3.1	16
120	Hierarchical Nanoporous Copper Fabricated by One-Step Dealloying Toward Ultrasensitive Surface-Enhanced Raman Sensing. <i>Advanced Materials Interfaces</i> , 2018 , 5, 1800332	4.6	16
119	Formation and properties of strontium-based bulk metallic glasses with ultralow glass transition temperature. <i>Journal of Materials Research</i> , 2012 , 27, 2593-2600	2.5	16

118	High-pressure Raman spectroscopy of carbon onions and nanocapsules. <i>Applied Physics Letters</i> , 2009 , 95, 051920	3.4	16
117	Electrical conductivity of a bulk metallic glass composite. <i>Applied Physics Letters</i> , 2007 , 91, 154101	3.4	16
116	Flaw-free nanoporous Ni for tensile properties. <i>Acta Materialia</i> , 2019 , 166, 402-412	8.4	16
115	Macroporous mesh of nanoporous gold in electrochemical monitoring of superoxide release from skeletal muscle cells. <i>Biosensors and Bioelectronics</i> , 2017 , 88, 41-47	11.8	15
114	Catalytic oxidation mechanisms of carbon monoxide over single- and double-vacancy Mn-embedded graphene. <i>New Journal of Chemistry</i> , 2020 , 44, 9402-9410	3.6	15
113	Theoretical Study on a Nitrogen-Doped Graphene Nanoribbon with Edge Defects as the Electrocatalyst for Oxygen Reduction Reaction. <i>ACS Omega</i> , 2020 , 5, 5142-5149	3.9	15
112	Atomistic mechanism of nano-scale phase separation in fcc-based high entropy alloys. <i>Journal of Alloys and Compounds</i> , 2016 , 663, 340-344	5.7	15
111	Ni-rich Ni ₈₀ Fe ₁₀ bulk metallic glasses with significantly improved glass-forming ability and mechanical properties by Si addition. <i>Intermetallics</i> , 2010 , 18, 1790-1793	3.5	15
110	Deposition and Characterization of Fe _{0.55} Co _{0.45} Nanowires. <i>Journal of the Electrochemical Society</i> , 2007 , 154, D572	3.9	15
109	Scalable synthesis of nanoporous boron for high efficiency ammonia electrosynthesis. <i>Materials Today</i> , 2020 , 38, 58-66	21.8	15
108	Earth-Abundant and Durable Nanoporous Catalyst for Exhaust-Gas Conversion. <i>Advanced Functional Materials</i> , 2016 , 26, 1609-1616	15.6	15
107	Van der Waals interfacial reconstruction in monolayer transition-metal dichalcogenides and gold heterojunctions. <i>Nature Communications</i> , 2020 , 11, 1011	17.4	14
106	Non-invasive measurement of glucose uptake of skeletal muscle tissue models using a glucose nanobiosensor. <i>Biosensors and Bioelectronics</i> , 2013 , 50, 194-201	11.8	14
105	Multicomponent nanoporous metals prepared by dealloying Pd ₈₀ Ni ₂₀ metallic glasses. <i>Intermetallics</i> , 2015 , 61, 66-71	3.5	14
104	Effect of Au Content on Thermal Stability and Mechanical Properties of Au-Cu-Ag-Si Bulk Metallic Glasses. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2011 , 42, 1486-1490	2.3	14
103	Spin-dependent electron-phonon interaction in SmFeAsO by low-temperature Raman spectroscopy. <i>Journal of the American Chemical Society</i> , 2010 , 132, 15223-7	16.4	14
102	Rate-change instrumented indentation for measuring strain rate sensitivity. <i>Journal of Materials Research</i> , 2009 , 24, 1466-1470	2.5	14
101	Measuring Elastic Energy Density of Bulk Metallic Glasses by Nanoindentation. <i>Materials Transactions</i> , 2006 , 47, 1981-1984	1.3	14

100	Formation of icosahedral quasicrystals in an annealed Zr ₆₅ Al _{7.5} Ni ₁₀ Cu _{12.5} Ag ₅ metallic glass. <i>Philosophical Magazine Letters</i> , 2000 , 80, 263-269	1	14
99	Flexible supercapacitor electrodes fabricated by dealloying nanocrystallized Al-Ni-Co-Y-Cu metallic glasses. <i>Journal of Alloys and Compounds</i> , 2019 , 772, 164-172	5.7	14
98	Dislocation-mediated shear amorphization in boron carbide. <i>Science Advances</i> , 2021 , 7,	14.3	14
97	Structure and viscosity of phase-separated BaOBiO ₂ glasses. <i>Journal of the American Ceramic Society</i> , 2017 , 100, 1982-1993	3.8	13
96	The interaction of deformation twins with long-period stacking ordered precipitates in a magnesium alloy subjected to shock loading. <i>Acta Materialia</i> , 2020 , 188, 203-214	8.4	13
95	Structural evolution of nanoscale metallic glasses during high-pressure torsion: A molecular dynamics analysis. <i>Scientific Reports</i> , 2016 , 6, 36627	4.9	13
94	Extraordinary Supercapacitor Performance of a Multicomponent and Mixed-Valence Oxyhydroxide. <i>Angewandte Chemie</i> , 2015 , 127, 8218-8222	3.6	13
93	Enhanced Electrochemical Performances of Nanoporous Gold by Surface Modification of Titanium Dioxide Nanoparticles. <i>Materials Transactions</i> , 2010 , 51, 1566-1569	1.3	13
92	Experimental and numerical investigation on ductile-brittle fracture transition in a magnesium alloy. <i>Journal of Materials Science</i> , 2007 , 42, 7702-7707	4.3	13
91	Quasicrystals and nano-quasicrystals in annealed ZrAlNiCuAg metallic glasses. <i>Intermetallics</i> , 2000 , 8, 493-498	3.5	13
90	Hyperpolarized Xe NMR signal advancement by metal-organic framework entrapment in aqueous solution. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 17558-17563	11.5	13
89	Primary and secondary precipitates in a hierarchical-precipitate-strengthened ferritic alloy. <i>Journal of Alloys and Compounds</i> , 2017 , 706, 584-588	5.7	12
88	A High-Voltage and Ultralong-Life Sodium Full Cell for Stationary Energy Storage. <i>Angewandte Chemie</i> , 2015 , 127, 11867-11871	3.6	12
87	Transparent magnetic semiconductor with embedded metallic glass nano-granules. <i>Materials and Design</i> , 2017 , 132, 208-214	8.1	12
86	Screw-rotation twinning through helical movement of triple-partial. <i>Applied Physics Letters</i> , 2012 , 101, 121901	3.4	12
85	Bis(phthalocyaninato)yttrium grown on Au(111): Electronic structure of a single molecule and the stability of two-dimensional films investigated by scanning tunneling microscopy/spectroscopy at 4.8 K. <i>Nano Research</i> , 2010 , 3, 604-611	10	12
84	Epitaxial Casting of Nanotubular Mesoporous Platinum. <i>Angewandte Chemie</i> , 2005 , 117, 4070-4074	3.6	12
83	Inlaid ReS Quantum Dots in Monolayer MoS. <i>ACS Nano</i> , 2020 , 14, 899-906	16.7	12

82	Exploring the oxygen electrode bi-functional activity of Ni _{1-x} C _x -doped graphene systems with N, C co-ordination and OH ligand effects. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 20453-20462	13	12
81	Tracking the sliding of grain boundaries at the atomic scale.. <i>Science</i> , 2022 , 375, 1261-1265	33.3	12
80	Angstrom-beam electron diffraction of amorphous materials. <i>Journal of Non-Crystalline Solids</i> , 2014 , 383, 52-58	3.9	11
79	Dynamic shear punching of metallic glass matrix composites. <i>Intermetallics</i> , 2013 , 36, 31-35	3.5	11
78	Stability limits and transformation pathways of β -quartz under high pressure. <i>Physical Review B</i> , 2017 , 95,	3.3	11
77	On the effect of impurities in metallic glass formation. <i>Applied Physics Letters</i> , 2010 , 96, 141901	3.4	11
76	Deformation behavior of metallic glass thin films. <i>Journal of Applied Physics</i> , 2012 , 112, 063504	2.5	11
75	Annealing embrittlement of Al ₈₉ Fe ₁₀ Zr ₁ amorphous alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2002 , 325, 182-185	5.3	11
74	An ultrahigh volumetric capacitance of squeezable three-dimensional bicontinuous nanoporous graphene. <i>Nanoscale</i> , 2016 , 8, 18551-18557	7.7	11
73	Characterization of Gd-rich precipitates in a fully lamellar TiAl alloy. <i>Scripta Materialia</i> , 2017 , 137, 50-54	5.6	10
72	The influence of a martensitic phase transformation on stress development in thermal barrier coating systems. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2004 , 35, 2279-2286	2.3	10
71	High-Resolution Electrochemical Mapping of the Hydrogen Evolution Reaction on Transition-Metal Dichalcogenide Nanosheets. <i>Angewandte Chemie</i> , 2020 , 132, 3629-3636	3.6	10
70	Dirac Fermion Kinetics in 3D Curved Graphene. <i>Advanced Materials</i> , 2020 , 32, e2005838	24	10
69	Chemical doping induced zone-edge phonon renormalization in single-layer MoS ₂ . <i>Physical Review B</i> , 2019 , 100,	3.3	9
68	Formation and properties of P-free Pd-based metallic glasses with high glass-forming ability. <i>Journal of Alloys and Compounds</i> , 2014 , 617, 310-313	5.7	9
67	Superhard B ₂ CO phases derived from carbon allotropes. <i>RSC Advances</i> , 2017 , 7, 52192-52199	3.7	9
66	Propensity of bond exchange as a window into the mechanical properties of metallic glasses. <i>Applied Physics Letters</i> , 2015 , 106, 061910	3.4	9
65	Origin of yielding in metallic glass: Stress-induced flow. <i>Applied Physics Letters</i> , 2014 , 104, 251901	3.4	9

64	Direct synthesis of fullerene-intercalated porous carbon nanofibers by chemical vapor deposition. <i>Carbon</i> , 2012 , 50, 5162-5166	10.4	9
63	Influence of lamellar lath orientation on crack propagation in a gamma TiAl alloy. <i>Scripta Materialia</i> , 1997 , 36, 497-501	5.6	9
62	Synergetic Effect of Liquid and Solid Catalysts on the Energy Efficiency of Li-O Batteries: Cell Performances and Operando STEM Observations. <i>Nano Letters</i> , 2020 , 20, 2183-2190	11.5	8
61	Heavily Doped and Highly Conductive Hierarchical Nanoporous Graphene for Electrochemical Hydrogen Production. <i>Angewandte Chemie</i> , 2018 , 130, 13486-13491	3.6	8
60	Effect of doping and counterdoping on high-pressure phase transitions of silicon. <i>Applied Physics Letters</i> , 2010 , 96, 251910	3.4	8
59	Deformation-induced change in the structure of metallic glasses during multistep indentation. <i>Physical Review B</i> , 2010 , 81,	3.3	8
58	Addition of Fe ₂ O ₃ as oxygen carrier for preparation of nanometer-sized oxide strengthened steels. <i>Journal of Nuclear Materials</i> , 2010 , 405, 199-202	3.3	8
57	Correlation between surface whisker growth and interfacial precipitation in aluminum thin films on silicon substrates. <i>Journal of Materials Science</i> , 2010 , 45, 3367-3374	4.3	8
56	TEM Sample Preparation for Microcompressed Nanocrystalline Ni. <i>Materials Transactions</i> , 2008 , 49, 2091-2095	1.2	8
55	Effect of Local Atomic Structure on Sodium Ion Storage in Hard Amorphous Carbon. <i>Nano Letters</i> , 2021 , 21, 6504-6510	11.5	8
54	Graphene@Nanoporous Nickel Cathode for LiO ₂ Batteries. <i>ChemNanoMat</i> , 2016 , 2, 176-181	3.5	8
53	Room-temperature superplasticity in Au nanowires and their atomistic mechanisms. <i>Nanoscale</i> , 2019 , 11, 8727-8735	7.7	7
52	Chemical Selectivity at Grain Boundary Dislocations in Monolayer MoWS Transition Metal Dichalcogenides. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 29438-29444	9.5	7
51	Distorted icosahedral Ni ₅ Nb ₃ Zr ₅ clusters in the as-quenched and hydrogenated amorphous (Ni _{0.6} Nb _{0.4}) _{0.65} Zr _{0.35} alloys. <i>Journal of Non-Crystalline Solids</i> , 2011 , 357, 3357-3360	3.9	7
50	Local atomic structure of Ni ₆₀ Pd ₂₀ P ₂₀ and Ni ₆₀ Pd ₂₀ P ₁₇ B ₃ bulk metallic glasses and the origin of glass forming ability. <i>Journal of Alloys and Compounds</i> , 2010 , 496, 135-139	5.7	7
49	Reaction at the interface between Si melt and a Ba-doped silica crucible. <i>Journal of Crystal Growth</i> , 2005 , 277, 154-161	1.6	7
48	Distribution of Nb and Co in an Fe/Nd ₂ Fe ₁₄ B-type nanocomposite. <i>Journal of Applied Physics</i> , 2000 , 88, 6928-6930	2.5	7
47	Valence-band electronic structure evolution of graphene oxide upon thermal annealing for optoelectronics. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2016 , 213, 2380-2386	1.6	7

46	Graphene-coated nanoporous nickel towards a metal-catalyzed oxygen evolution reaction. <i>Nanoscale</i> , 2021 , 13, 10916-10924	7.7	7
45	Experimental observations of the mechanisms associated with the high hardening and low strain to failure of magnesium. <i>Materialia</i> , 2019 , 8, 100504	3.2	6
44	Using Hardness Tests to Quantify Bulk Plasticity and Predict Transition Velocities in SiC Materials. <i>International Journal of Applied Ceramic Technology</i> , 2013 , 10, 114-122	2	6
43	Redistribution of alloying elements in quasicrystallized Zr ₆₅ Al _{7.5} Ni ₁₀ Cu _{7.5} Ag ₁₀ bulk metallic glass. <i>Physical Review B</i> , 2005 , 71,	3.3	6
42	Atomic Ni and Cu co-anchored 3D nanoporous graphene as an efficient oxygen reduction electrocatalyst for zinc-air batteries. <i>Nanoscale</i> , 2021 , 13, 10862-10870	7.7	6
41	3D Continuously Porous Graphene for Energy Applications. <i>Advanced Materials</i> , 2021 , e2108750	24	6
40	Nucleation reactions during deformation and crystallization of metallic glass. <i>Journal of Alloys and Compounds</i> , 2012 , 536, S55-S59	5.7	5
39	Transiently suppressed relaxations in metallic glass. <i>Applied Physics Letters</i> , 2013 , 103, 161902	3.4	5
38	Partitioning behavior of Al in a nanocrystalline FeZrAl soft magnetic alloy. <i>Journal of Applied Physics</i> , 2000 , 87, 439-442	2.5	5
37	Decoupling between calorimetric and dynamical glass transitions in high-entropy metallic glasses. <i>Nature Communications</i> , 2021 , 12, 3843	17.4	5
36	Atomic structure and mechanical response of coincident stacking faults in boron suboxide. <i>Materials Research Letters</i> , 2019 , 7, 75-81	7.4	5
35	Anisotropic and Multicomponent Nanostructures by Controlled Symmetry Breaking of Metal Halide Intermediates. <i>Nano Letters</i> , 2018 , 18, 2324-2328	11.5	4
34	Compressive behaviour of nanocrystalline MgAl alloys. <i>Materials Technology</i> , 2012 , 27, 85-87	2.1	4
33	Plastic Deformation-Assisted Synthesis of Metallic Glass Nanostructures. <i>Materials Transactions</i> , 2009 , 50, 1890-1893	1.3	4
32	Mechanical Behavior of Nanocrystalline Metals 2006 ,		4
31	Preferred location for conducting filament formation in thin-film nano-ionic electrolyte: study of microstructure by atom-probe tomography. <i>Journal of Materials Science: Materials in Electronics</i> , 2017 , 28, 6846-6851	2.1	3
30	Deformation behaviour of 18R long-period stacking ordered structure in an Mg-Zn-Y alloy under shock loading. <i>Intermetallics</i> , 2018 , 102, 21-25	3.5	3
29	A Rapid Method to Aromatic Aminoalkyl Esters via the Catalyst-Free Difunctionalization of C≡N Bonds. <i>Synthesis</i> , 2018 , 50, 2587-2594	2.9	3

28	Comparative Study on Plastic Deformation of Nanocrystalline Al and Ni. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2014 , 45, 1631-1638	2.3	3
27	Inelastic electron-tunneling spectroscopy of nanoporous gold films. <i>Physical Review B</i> , 2014 , 89,	3.3	3
26	Mixing Time of Molecules Inside of Nanoporous Gold. <i>SIAM Journal on Applied Mathematics</i> , 2014 , 74, 1298-1314	1.8	3
25	Modulated Na ₂ Ti ₄ O ₉ :Zr Nanobelt via Site-Specific Zr Doping. <i>Applied Physics Express</i> , 2011 , 4, 085003	2.4	3
24	Formation of Rosette-Like Nanopatterns by Selective Corrosion of Metallic Glass. <i>Japanese Journal of Applied Physics</i> , 2008 , 47, 8678-8680	1.4	3
23	Temperature dependence of Raman scattering in Si crystals with heavy B and/or Ge doping. <i>Materials Science in Semiconductor Processing</i> , 2006 , 9, 257-260	4.3	3
22	Modulated structure in a rapidly solidified Ni-47Al alloy. <i>Materials Letters</i> , 1996 , 28, 513-516	3.3	3
21	Vapor phase dealloying kinetics of MnZn alloys. <i>Acta Materialia</i> , 2021 , 212, 116916	8.4	3
20	3D Bimodal Porous Amorphous Carbon with Self-Similar Porosity by Low-Temperature Sequential Chemical Dealloying. <i>Chemistry of Materials</i> , 2021 , 33, 1013-1021	9.6	3
19	Universal scaling law of glass rheology.. <i>Nature Materials</i> , 2022 ,	27	2
18	Deformation behavior of a nanoporous metallic glass at room temperature. <i>International Journal of Plasticity</i> , 2022 , 152, 103232	7.6	2
17	Hidden Effects of Negative Stacking Fault Energies in Complex Concentrated Alloys. <i>Physical Review Letters</i> , 2021 , 126, 255502	7.4	2
16	One-Dimensional Atomic Segregation at Semiconductor-Metal Interfaces of Polymorphic Transition Metal Dichalcogenide Monolayers. <i>Nano Letters</i> , 2018 , 18, 6157-6163	11.5	2
15	Twisting of 2D Kagomí Sheets in Layered Intermetallics. <i>ACS Central Science</i> , 2021 , 7, 1381-1390	16.8	2
14	Structure Analysis of Amorphous Materials Using a STEM Electron Diffraction Method. <i>Materia Japan</i> , 2016 , 55, 8-14	0.1	1
13	Visualization of topological landscape in shear-flow dynamics of amorphous solids. <i>Europhysics Letters</i> , 2015 , 110, 38002	1.6	1
12	An electrochemical biosensor based on gold microspheres and nanoporous gold for real-time detection of superoxide anion in skeletal muscle tissue. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2015 , 2015, 7962-5	0.9	1
11	Quantitative electron holographic tomography for a spherical object. <i>Microscopy (Oxford, England)</i> , 2009 , 58, 301-4	1.3	1

10	In Situ Straining Tem Observation of Fracture Behavior in PST Crystals of TiAl. <i>Materials Research Society Symposia Proceedings</i> , 1994 , 364, 1047		1
9	Twisted 1T TaS bilayers by lithiation exfoliation. <i>Nanoscale</i> , 2020 , 12, 18031-18038	7.7	1
8	SpinOrbit torque generated by a ferromagnet/a metallic glass bilayer. <i>Applied Physics Express</i> , 2020 , 13, 053002	2.4	1
7	Structures and Structural Evolution of Sublayer Surfaces of MetalOrganic Frameworks. <i>Angewandte Chemie</i> , 2020 , 132, 21603-21608	3.6	0
6	B22-O-12 In Situ Atomic Scale Observation of Grain Rotation Mediated by Grain Boundary Dislocations. <i>Microscopy (Oxford, England)</i> , 2015 , 64, i52.2-i52	1.3	
5	Enzyme-Free Electrochemical Glucose Sensors Prepared by Dealloying Pd-Ni-P Metallic Glasses. <i>Advances in Materials Science and Engineering</i> , 2014 , 2014, 1-6	1.5	
4	Local Structure Analysis of Metallic Glasses by Angstrom Beam Electron Diffraction Using Aberration Corrected STEM. <i>Nihon Kessho Gakkaishi</i> , 2011 , 53, 326-331	0	
3	Dynamic Restoration Mechanism of a Fe3Al Based Alloy During Elevated Temperature Deformation. <i>Materials Research Society Symposia Proceedings</i> , 1994 , 364, 255		
2	Metallic Glasses. <i>SpringerBriefs in the Mathematics of Materials</i> , 2016 , 9-14		1
1	Fast attenuation of high-frequency acoustic waves in bicontinuous nanoporous gold. <i>Applied Physics Letters</i> , 2021 , 119, 063101	3.4	