

Mingwei Chen

List of Publications by Year in Descending Order

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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	Universal scaling law of glass rheology.. <i>Nature Materials</i> , 2022 ,	27	2
404	Deformation behavior of a nanoporous metallic glass at room temperature. <i>International Journal of Plasticity</i> , 2022 , 152, 103232	7.6	2
403	Tracking the sliding of grain boundaries at the atomic scale.. <i>Science</i> , 2022 , 375, 1261-1265	33.3	12
402	Vapor phase dealloying kinetics of MnZn alloys. <i>Acta Materialia</i> , 2021 , 212, 116916	8.4	3
401	Hidden Effects of Negative Stacking Fault Energies in Complex Concentrated Alloys. <i>Physical Review Letters</i> , 2021 , 126, 255502	7.4	2
400	Decoupling between calorimetric and dynamical glass transitions in high-entropy metallic glasses. <i>Nature Communications</i> , 2021 , 12, 3843	17.4	5
399	Effect of Local Atomic Structure on Sodium Ion Storage in Hard Amorphous Carbon. <i>Nano Letters</i> , 2021 , 21, 6504-6510	11.5	8
398	Graphene-coated nanoporous nickel towards a metal-catalyzed oxygen evolution reaction. <i>Nanoscale</i> , 2021 , 13, 10916-10924	7.7	7
397	Dislocation-mediated shear amorphization in boron carbide. <i>Science Advances</i> , 2021 , 7,	14.3	14
396	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
395	Fast attenuation of high-frequency acoustic waves in bicontinuous nanoporous gold. <i>Applied Physics Letters</i> , 2021 , 119, 063101	3.4	
394	Twisting of 2D Kagoml Sheets in Layered Intermetallics. <i>ACS Central Science</i> , 2021 , 7, 1381-1390	16.8	2
393	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
392	3D Continuously Porous Graphene for Energy Applications. <i>Advanced Materials</i> , 2021 , e2108750	24	6
391	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
390	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
389	Ultrastable Silicon Anode by Three-Dimensional Nanoarchitecture Design. <i>ACS Nano</i> , 2020 , 14, 4374-4382	26.7	49

388	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
387	Dealloying Kinetics of AgAu Nanoparticles by Liquid-Cell Scanning Transmission Electron Microscopy. <i>Nano Letters</i> , 2020 , 20, 1944-1951	11.5	24
386	Van der Waals interfacial reconstruction in monolayer transition-metal dichalcogenides and gold heterojunctions. <i>Nature Communications</i> , 2020 , 11, 1011	17.4	14
385	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
384	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
383	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
382	Scalable synthesis of nanoporous boron for high efficiency ammonia electrosynthesis. <i>Materials Today</i> , 2020 , 38, 58-66	21.8	15
381	Inlaid ReS Quantum Dots in Monolayer MoS. <i>ACS Nano</i> , 2020 , 14, 899-906	16.7	12
380	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
379	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
378	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
377	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
376	Dirac Fermion Kinetics in 3D Curved Graphene. <i>Advanced Materials</i> , 2020 , 32, e2005838	24	10
375	Structures and Structural Evolution of Sublayer Surfaces of Metal-Organic Frameworks. <i>Angewandte Chemie</i> , 2020 , 132, 21603-21608	3.6	0
374	Twisted 1T TaS bilayers by lithiation exfoliation. <i>Nanoscale</i> , 2020 , 12, 18031-18038	7.7	1
373	Exploring the oxygen electrode bi-functional activity of Ni/Ni-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
372	Spin-orbit torque generated by a ferromagnet/a metallic glass bilayer. <i>Applied Physics Express</i> , 2020 , 13, 053002	2.4	1
371	Operando Observations of SEI Film Evolution by Mass-Sensitive Scanning Transmission Electron Microscopy. <i>Advanced Energy Materials</i> , 2019 , 9, 1902675	21.8	39

370	Unprecedented Electromagnetic Interference Shielding from Three-Dimensional Bi-continuous Nanoporous Graphene. <i>Matter</i> , 2019 , 1, 1077-1087	12.7	28
369	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
368	3D bicontinuous nanoporous plasmonic heterostructure for enhanced hydrogen evolution reaction under visible light. <i>Nano Energy</i> , 2019 , 58, 552-559	17.1	23
367	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	16.4	160
366	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
365	High-temperature bulk metallic glasses developed by combinatorial methods. <i>Nature</i> , 2019 , 569, 99-103	50.4	98
364	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
363	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
362	Room-temperature superplasticity in Au nanowires and their atomistic mechanisms. <i>Nanoscale</i> , 2019 , 11, 8727-8735	7.7	7
361	Capturing Reversible Cation Migration in Layered Structure Materials for Na-Ion Batteries. <i>Advanced Energy Materials</i> , 2019 , 9, 1900189	21.8	29
360	Extraordinary tensile strength and ductility of scalable nanoporous graphene. <i>Science Advances</i> , 2019 , 5, eaat6951	14.3	49
359	Chemical doping induced zone-edge phonon renormalization in single-layer MoS ₂ . <i>Physical Review B</i> , 2019 , 100,	3.3	9
358	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
357	Fast coalescence of metallic glass nanoparticles. <i>Nature Communications</i> , 2019 , 10, 5249	17.4	21
356	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
355	Atomic structure and mechanical response of coincident stacking faults in boron suboxide. <i>Materials Research Letters</i> , 2019 , 7, 75-81	7.4	5
354	Lithiophilic 3D Nanoporous Nitrogen-Doped Graphene for Dendrite-Free and Ultrahigh-Rate Lithium-Metal Anodes. <i>Advanced Materials</i> , 2019 , 31, e1805334	24	173
353	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

352	Free-standing nanoporous gold for direct plasmon enhanced electro-oxidation of alcohol molecules. <i>Nano Energy</i> , 2019 , 56, 286-293	17.1	27
351	Flaw-free nanoporous Ni for tensile properties. <i>Acta Materialia</i> , 2019 , 166, 402-412	8.4	16
350	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
349	Vapor phase dealloying: A versatile approach for fabricating 3D porous materials. <i>Acta Materialia</i> , 2019 , 163, 161-172	8.4	20
348	Atomic origins of high electrochemical CO reduction efficiency on nanoporous gold. <i>Nanoscale</i> , 2018 , 10, 8372-8376	7.7	39
347	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
346	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
345	Three-dimensional bicontinuous nanoporous materials by vapor phase dealloying. <i>Nature Communications</i> , 2018 , 9, 276	17.4	68
344	Synthesizing 1T-1H Two-Phase MoWS Monolayers by Chemical Vapor Deposition. <i>ACS Nano</i> , 2018 , 12, 1571-1579	16.7	48
343	Three-dimensional porous graphene networks expand graphene-based electronic device applications. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 6024-6033	3.6	31
342	Nanoporous metal by dealloying for electrochemical energy conversion and storage. <i>MRS Bulletin</i> , 2018 , 43, 43-48	3.2	69
341	Bilayered nanoporous graphene/molybdenum oxide for high rate lithium ion batteries. <i>Nano Energy</i> , 2018 , 45, 273-279	17.1	45
340	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
339	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
338	Anisotropic and Multicomponent Nanostructures by Controlled Symmetry Breaking of Metal Halide Intermediates. <i>Nano Letters</i> , 2018 , 18, 2324-2328	11.5	4
337	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
336	Scanning distortion correction in STEM images. <i>Ultramicroscopy</i> , 2018 , 184, 274-283	3.1	16
335	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

334	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
333	Heavily Doped and Highly Conductive Hierarchical Nanoporous Graphene for Electrochemical Hydrogen Production. <i>Angewandte Chemie</i> , 2018 , 130, 13486-13491	3.6	8
332	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
331	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
330	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
329	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
328	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
327	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
326	Spatial heterogeneity as the structure feature for structure-property relationship of metallic glasses. <i>Nature Communications</i> , 2018 , 9, 3965	17.4	65
325	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
324	Distortion of Local Atomic Structures in Amorphous Ge-Sb-Te Phase Change Materials. <i>Physical Review Letters</i> , 2018 , 120, 205502	7.4	24
323	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
322	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, 3653-3660	9.5	72
321	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
320	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
319	Ultrastrong steel via minimal lattice misfit and high-density nanoprecipitation. <i>Nature</i> , 2017 , 544, 460-464	56.4	512
318	Characterization of Gd-rich precipitates in a fully lamellar TiAl alloy. <i>Scripta Materialia</i> , 2017 , 137, 50-54	5.6	10
317	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

3 ¹⁶	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
3 ¹⁵	Efficient hydrogen production on MoNi electrocatalysts with fast water dissociation kinetics. <i>Nature Communications</i> , 2017 , 8, 15437	17.4	583
3 ¹⁴	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
3 ¹³	Structure and mechanical properties of boron-rich boron carbides. <i>Journal of the European Ceramic Society</i> , 2017 , 37, 4514-4523	6	60
3 ¹²	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
3 ¹¹	Terahertz and mid-infrared plasmons in three-dimensional nanoporous graphene. <i>Nature Communications</i> , 2017 , 8, 14885	17.4	40
3 ¹⁰	Structure and viscosity of phase-separated BaOBiO ₂ glasses. <i>Journal of the American Ceramic Society</i> , 2017 , 100, 1982-1993	3.8	13
3 ⁰⁹	Enhanced Superconductivity in Restacked TaS Nanosheets. <i>Journal of the American Chemical Society</i> , 2017 , 139, 4623-4626	16.4	62
3 ⁰⁸	Observation of superconductivity in 1T'-MoS ₂ nanosheets. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 10855-10860	7.1	60
3 ⁰⁷	Engineering the internal surfaces of three-dimensional nanoporous catalysts by surfactant-modified dealloying. <i>Nature Communications</i> , 2017 , 8, 1066	17.4	45
3 ⁰⁶	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
3 ⁰⁵	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
3 ⁰⁴	Tuning Surface Structure of 3D Nanoporous Gold by Surfactant-Free Electrochemical Potential Cycling. <i>Advanced Materials</i> , 2017 , 29, 1703601	24	40
3 ⁰³	Two-Dimensional Hallmark of Highly Interconnected Three-Dimensional Nanoporous Graphene. <i>ACS Omega</i> , 2017 , 2, 3691-3697	3.9	22
3 ⁰²	Stability limits and transformation pathways of quartz under high pressure. <i>Physical Review B</i> , 2017 , 95,	3.3	11
3 ⁰¹	Environmentally stable interface of layered oxide cathodes for sodium-ion batteries. <i>Nature Communications</i> , 2017 , 8, 135	17.4	166
3 ⁰⁰	Correlation between Local Structure Order and Spatial Heterogeneity in a Metallic Glass. <i>Physical Review Letters</i> , 2017 , 119, 215501	7.4	77
299	Superhard B ₂ CO phases derived from carbon allotropes. <i>RSC Advances</i> , 2017 , 7, 52192-52199	3.7	9

298	Transparent magnetic semiconductor with embedded metallic glass nano-granules. <i>Materials and Design</i> , 2017 , 132, 208-214	8.1	12
297	Microstructural characterization of boron-rich boron carbide. <i>Acta Materialia</i> , 2017 , 136, 202-214	8.4	58
296	A nanoporous nickel catalyst for selective hydrogenation of carbonates into formic acid in water. <i>Green Chemistry</i> , 2017 , 19, 716-721	10	35
295	Mechanical properties of refractory high-entropy alloys: Experiments and modeling. <i>Journal of Alloys and Compounds</i> , 2017 , 696, 1139-1150	5.7	177
294	New twinning route in face-centered cubic nanocrystalline metals. <i>Nature Communications</i> , 2017 , 8, 2142	7.4	75
293	Atomic-Sized Pores Enhanced Electrocatalysis of TaS Nanosheets for Hydrogen Evolution. <i>Advanced Materials</i> , 2016 , 28, 8945-8949	24	121
292	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
291	Structural evolution of nanoscale metallic glasses during high-pressure torsion: A molecular dynamics analysis. <i>Scientific Reports</i> , 2016 , 6, 36627	4.9	13
290	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
289	Engineering water dissociation sites in MoS ₂ nanosheets for accelerated electrocatalytic hydrogen production. <i>Energy and Environmental Science</i> , 2016 , 9, 2789-2793	35.4	386
288	Hierarchical nanoporosity enhanced reversible capacity of bicontinuous nanoporous metal based Li-O ₂ battery. <i>Scientific Reports</i> , 2016 , 6, 33466	4.9	42
287	Nucleation of amorphous shear bands at nanotwins in boron suboxide. <i>Nature Communications</i> , 2016 , 7, 11001	17.4	30
286	Unveiling Three-Dimensional Stacking Sequences of 1T Phase MoS Monolayers by Electron Diffraction. <i>ACS Nano</i> , 2016 , 10, 10308-10316	16.7	17
285	Atomic-scale disproportionation in amorphous silicon monoxide. <i>Nature Communications</i> , 2016 , 7, 11591	17.4	96
284	Structure Analysis of Amorphous Materials Using a STEM Electron Diffraction Method. <i>Materia Japan</i> , 2016 , 55, 8-14	0.1	1
283	Nanotwinned Boron Suboxide (B ₆ O): New Ground State of B ₆ O. <i>Nano Letters</i> , 2016 , 16, 4236-42	11.5	35
282	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
281	Visualizing Under-Coordinated Surface Atoms on 3D Nanoporous Gold Catalysts. <i>Advanced Materials</i> , 2016 , 28, 1753-9	24	65

280	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
279	Bicontinuous nanotubular graphene/polypyrrole hybrid for high performance flexible supercapacitors. <i>Nano Energy</i> , 2016 , 19, 391-400	17.1	114
278	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
277	Macrodeformation Twins in Single-Crystal Aluminum. <i>Physical Review Letters</i> , 2016 , 116, 075501	7.4	58
276	Non-aqueous nanoporous gold based supercapacitors with high specific energy. <i>Scripta Materialia</i> , 2016 , 116, 76-81	5.6	17
275	Large-scale growth of sharp gold nano-cones for single-molecule SERS detection. <i>RSC Advances</i> , 2016 , 6, 2882-2887	3.7	21
274	A precipitation-hardened high-entropy alloy with outstanding tensile properties. <i>Acta Materialia</i> , 2016 , 102, 187-196	8.4	1020
273	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
272	3D Bicontinuous Nanoporous Reduced Graphene Oxide for Highly Sensitive Photodetectors. <i>Advanced Functional Materials</i> , 2016 , 26, 1271-1277	15.6	39
271	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
270	Graphene@Nanoporous Nickel Cathode for LiO ₂ Batteries. <i>ChemNanoMat</i> , 2016 , 2, 176-181	3.5	8
269	3D Nanoporous Metal Phosphides toward High-Efficiency Electrochemical Hydrogen Production. <i>Advanced Materials</i> , 2016 , 28, 2951-5	24	137
268	A room-temperature magnetic semiconductor from a ferromagnetic metallic glass. <i>Nature Communications</i> , 2016 , 7, 13497	17.4	48
267	Intrinsic correlation between β -relaxation and spatial heterogeneity in a metallic glass. <i>Nature Communications</i> , 2016 , 7, 11516	17.4	147
266	Metallic Glasses. <i>SpringerBriefs in the Mathematics of Materials</i> , 2016 , 9-14	1	
265	Versatile nanoporous bimetallic phosphides towards electrochemical water splitting. <i>Energy and Environmental Science</i> , 2016 , 9, 2257-2261	35.4	409
264	Earth-Abundant and Durable Nanoporous Catalyst for Exhaust-Gas Conversion. <i>Advanced Functional Materials</i> , 2016 , 26, 1609-1616	15.6	15
263	Electric Properties of Dirac Fermions Captured into 3D Nanoporous Graphene Networks. <i>Advanced Materials</i> , 2016 , 28, 10304-10310	24	30

262	Correlation between Chemical Dopants and Topological Defects in Catalytically Active Nanoporous Graphene. <i>Advanced Materials</i> , 2016 , 28, 10644-10651	24	88
261	An ultrahigh volumetric capacitance of squeezable three-dimensional bicontinuous nanoporous graphene. <i>Nanoscale</i> , 2016 , 8, 18551-18557	7.7	11
260	Initial Atomic Motion Immediately Following Femtosecond-Laser Excitation in Phase-Change Materials. <i>Physical Review Letters</i> , 2016 , 117, 135501	7.4	32
259	Nanoporous metal/oxide hybrid materials for rechargeable lithium-oxygen batteries. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 3620-3626	13	41
258	A High-Voltage and Ultralong-Life Sodium Full Cell for Stationary Energy Storage. <i>Angewandte Chemie</i> , 2015 , 127, 11867-11871	3.6	12
257	A nanoporous metal recuperated MnO ₂ anode for lithium ion batteries. <i>Nanoscale</i> , 2015 , 7, 15111-6	7.7	52
256	Regulating the coarsening of the β phase in superalloys. <i>NPG Asia Materials</i> , 2015 , 7, e212-e212	10.3	39
255	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
254	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
253	Covalent functionalization of monolayered transition metal dichalcogenides by phase engineering. <i>Nature Chemistry</i> , 2015 , 7, 45-9	17.6	524
252	On-Chip Micro-Pseudocapacitors for Ultrahigh Energy and Power Delivery. <i>Advanced Science</i> , 2015 , 2, 1500067	13.6	57
251	Nanoporous Metal Papers for Scalable Hierarchical Electrode. <i>Advanced Science</i> , 2015 , 2, 1500086	13.6	21
250	Ferritic Alloys with Extreme Creep Resistance via Coherent Hierarchical Precipitates. <i>Scientific Reports</i> , 2015 , 5, 16327	4.9	66
249	Environment-Sensitive Thermal Coarsening of Nanoporous Gold. <i>Materials Transactions</i> , 2015 , 56, 468-473	18	
248	Composition mediated serration dynamics in Zr-based bulk metallic glasses. <i>Applied Physics Letters</i> , 2015 , 107, 201902	3.4	28
247	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
246	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
245	Metallic Glass as a Mechanical Material for Microscanners. <i>Advanced Functional Materials</i> , 2015 , 25, 5677-5682	15.6	21

244	Multifunctional Porous Graphene for High-Efficiency Steam Generation by Heat Localization. <i>Advanced Materials</i> , 2015 , 27, 4302-7	24	597
243	Extraordinary Supercapacitor Performance of a Multicomponent and Mixed-Valence Oxyhydroxide. <i>Angewandte Chemie</i> , 2015 , 127, 8218-8222	3.6	13
242	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
241	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
240	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
239	Extraordinary Supercapacitor Performance of a Multicomponent and Mixed-Valence Oxyhydroxide. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 8100-4	16.4	39
238	Aligned Nanoporous Pt/Cu Bimetallic Microwires with High Catalytic Activity toward Methanol Electrooxidation. <i>ACS Catalysis</i> , 2015 , 5, 3779-3785	13.1	96
237	Multicomponent nanoporous metals prepared by dealloying Pd ₈₀ Ni ₂₀ metallic glasses. <i>Intermetallics</i> , 2015 , 61, 66-71	3.5	14
236	Visualization of topological landscape in shear-flow dynamics of amorphous solids. <i>Europhysics Letters</i> , 2015 , 110, 38002	1.6	1
235	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	
234	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
233	Hybrid nanostructured aluminum alloy with super-high strength. <i>NPG Asia Materials</i> , 2015 , 7, e229-e229	10.3	70
232	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
231	Sample size induced brittle-to-ductile transition of single-crystal aluminum nitride. <i>Acta Materialia</i> , 2015 , 88, 252-259	8.4	25
230	Probing the structure of a liquid metal during vitrification. <i>Acta Materialia</i> , 2015 , 87, 174-186	8.4	29
229	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
228	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
227	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

226	Bicontinuous nanoporous N-doped graphene for the oxygen reduction reaction. <i>Advanced Materials</i> , 2014 , 26, 4145-50	24	229
225	High-Quality Three-Dimensional Nanoporous Graphene. <i>Angewandte Chemie</i> , 2014 , 126, 4922-4926	3.6	43
224	Myotube formation on gelatin nanofibers - multi-walled carbon nanotubes hybrid scaffolds. <i>Biomaterials</i> , 2014 , 35, 6268-77	15.6	93
223	Periosteum-mimetic structures made from freestanding microgrooved nanosheets. <i>Advanced Materials</i> , 2014 , 26, 3290-6	24	72
222	Reduced Graphene Oxide Thin Films as Ultrabarrriers for Organic Electronics. <i>Advanced Energy Materials</i> , 2014 , 4, 1300986	21.8	49
221	Raman characterization of pseudocapacitive behavior of polypyrrole on nanoporous gold. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 3523-8	3.6	41
220	Large enhancement of quantum dot fluorescence by highly scalable nanoporous gold. <i>Advanced Materials</i> , 2014 , 26, 1289-94	24	56
219	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
218	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
217	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
216	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
215	Fe ₂ O ₃ 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
214	Chemically exfoliated ReS ₂ nanosheets. <i>Nanoscale</i> , 2014 , 6, 12458-62	7.7	136
213	Asymmetric metal oxide pseudocapacitors advanced by three-dimensional nanoporous metal electrodes. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 8448	13	64
212	Inelastic electron-tunneling spectroscopy of nanoporous gold films. <i>Physical Review B</i> , 2014 , 89,	3.3	3
211	Mixing Time of Molecules Inside of Nanoporous Gold. <i>SIAM Journal on Applied Mathematics</i> , 2014 , 74, 1298-1314	1.8	3
210	Grain rotation mediated by grain boundary dislocations in nanocrystalline platinum. <i>Nature Communications</i> , 2014 , 5, 4402	17.4	222
209	Self-grown oxy-hydroxide@ nanoporous metal electrode for high-performance supercapacitors. <i>Advanced Materials</i> , 2014 , 26, 269-72	24	143

208	Flow unit perspective on room temperature homogeneous plastic deformation in metallic glasses. <i>Physical Review Letters</i> , 2014 , 113, 045501	7.4	147
207	Structural origins of Johari-Goldstein relaxation in a metallic glass. <i>Nature Communications</i> , 2014 , 5, 3238	7.4	117
206	Asymmetric twins in rhombohedral boron carbide. <i>Applied Physics Letters</i> , 2014 , 104, 021907	3.4	21
205	Nanoporous metal based flexible asymmetric pseudocapacitors. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 10910-10916	13	77
204	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
203	Atomic observation of catalysis-induced nanopore coarsening of nanoporous gold. <i>Nano Letters</i> , 2014 , 14, 1172-7	11.5	100
202	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
201	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
200	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
199	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
198	Angstrom-beam electron diffraction of amorphous materials. <i>Journal of Non-Crystalline Solids</i> , 2014 , 383, 52-58	3.9	11
197	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
196	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
195	Origin of yielding in metallic glass: Stress-induced flow. <i>Applied Physics Letters</i> , 2014 , 104, 251901	3.4	9
194	Nanoporous metal enhanced catalytic activities of amorphous molybdenum sulfide for high-efficiency hydrogen production. <i>Advanced Materials</i> , 2014 , 26, 3100-4	24	188
193	Three-Dimensional Hierarchical Nanoporosity for Ultrahigh Power and Excellent Cyclability of Electrochemical Pseudocapacitors. <i>Advanced Energy Materials</i> , 2014 , 4, 1301809	21.8	27
192	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	
191	High-quality three-dimensional nanoporous graphene. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 4822-6	16.4	184

190	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
189	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
188	Crystalline liquid and rubber-like behavior in Cu nanowires. <i>Nano Letters</i> , 2013 , 13, 3812-6	11.5	39
187	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
186	High-energy-density nonaqueous MnO ₂ @nanoporous gold based supercapacitors. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 9202	13	78
185	Geometric frustration of icosahedron in metallic glasses. <i>Science</i> , 2013 , 341, 376-9	33.3	318
184	Conducting MoS ₂ nanosheets as catalysts for hydrogen evolution reaction. <i>Nano Letters</i> , 2013 , 13, 6222-7	11.5	1613
183	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
182	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
181	Atomic structure of amorphous shear bands in boron carbide. <i>Nature Communications</i> , 2013 , 4, 2483	17.4	145
180	Ultrahigh capacitance of nanoporous metal enhanced conductive polymer pseudocapacitors. <i>Journal of Power Sources</i> , 2013 , 225, 304-310	8.9	43
179	Dynamic shear punching of metallic glass matrix composites. <i>Intermetallics</i> , 2013 , 36, 31-35	3.5	11
178	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
177	First-order liquid-liquid phase transition in cerium. <i>Physical Review Letters</i> , 2013 , 110, 125503	7.4	95
176	Enhanced Supercapacitor Performance of MnO ₂ by Atomic Doping. <i>Angewandte Chemie</i> , 2013 , 125, 1708-6	11.67	1167
175	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
174	Nanoporous gold based optical sensor for sub-ppt detection of mercury ions. <i>ACS Nano</i> , 2013 , 7, 4595-6006	6.7	156
173	Enhanced supercapacitor performance of MnO ₂ by atomic doping. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 1664-7	16.4	204

172	Electroplated Thick Manganese Oxide Films with Ultrahigh Capacitance. <i>Advanced Energy Materials</i> , 2013 , 3, 857-863	21.8	68
171	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
170	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
169	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
168	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
167	Enhanced catalytic activity in strained chemically exfoliated WS ₂ nanosheets for hydrogen evolution. <i>Nature Materials</i> , 2013 , 12, 850-5	27	2039
166	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
165	A nanoscale co-precipitation approach for property enhancement of Fe-base alloys. <i>Scientific Reports</i> , 2013 , 3, 1327	4.9	62
164	Transiently suppressed relaxations in metallic glass. <i>Applied Physics Letters</i> , 2013 , 103, 161902	3.4	5
163	Biofunctionalized nanoporous gold for electrochemical biosensors. <i>Electrochimica Acta</i> , 2012 , 67, 1-5	6.7	56
162	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
161	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
160	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
159	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
158	Atomic origins of the high catalytic activity of nanoporous gold. <i>Nature Materials</i> , 2012 , 11, 775-80	27	687
157	Deposition of multicomponent metallic glass films by single-target magnetron sputtering. <i>Intermetallics</i> , 2012 , 21, 105-114	3.5	45
156	Effect of defects on fracture strength of graphene sheets. <i>Computational Materials Science</i> , 2012 , 54, 236-239	3.2	183
155	Enhanced mechanical properties of nanocrystalline boron carbide by nanoporosity and interface phases. <i>Nature Communications</i> , 2012 , 3, 1052	17.4	89

154	Nucleation reactions during deformation and crystallization of metallic glass. <i>Journal of Alloys and Compounds</i> , 2012 , 536, S55-S59	5.7	5
153	Aerobic oxidation of alcohols in the liquid phase with nanoporous gold catalysts. <i>Chemical Communications</i> , 2012 , 48, 4540-2	5.8	71
152	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
151	Direct synthesis of fullerene-intercalated porous carbon nanofibers by chemical vapor deposition. <i>Carbon</i> , 2012 , 50, 5162-5166	10.4	9
150	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
149	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
148	Coherent atomic and electronic heterostructures of single-layer MoS ₂ . <i>ACS Nano</i> , 2012 , 6, 7311-7	16.7	696
147	Thermal properties of nanoporous gold. <i>Physical Review B</i> , 2012 , 85,	3.3	19
146	Rapid Degradation of Azo Dye by Fe-Based Metallic Glass Powder. <i>Advanced Functional Materials</i> , 2012 , 22, 2567-2570	15.6	214
145	Tunable photoluminescence from graphene oxide. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 6662-6	16.4	520
144	Low temperature uniform plastic deformation of metallic glasses during elastic iteration. <i>Acta Materialia</i> , 2012 , 60, 3741-3747	8.4	26
143	Nanoporous Gold-Catalyzed [4+2] Benzannulation between ortho-Alkynylbenzaldehydes and Alkynes. <i>Synlett</i> , 2012 , 2012, 66-69	2.2	39
142	Screw-rotation twinning through helical movement of triple-partials. <i>Applied Physics Letters</i> , 2012 , 101, 121901	3.4	12
141	Deformation behavior of metallic glass thin films. <i>Journal of Applied Physics</i> , 2012 , 112, 063504	2.5	11
140	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
139	Direct observation of interlocked domain walls in hexagonal RMnO ₃ (R=Tm, Lu). <i>Physical Review B</i> , 2012 , 85,	3.3	53
138	Compressive behaviour of nanocrystalline Mg ₅ Al alloys. <i>Materials Technology</i> , 2012 , 27, 85-87	2.1	4
137	Single molecule detection from a large-scale SERS-active Au ₅ Ag ₅ substrate. <i>Scientific Reports</i> , 2011 , 1, 112	4.9	172

136	Atomic structure of nanoclusters in oxide-dispersion-strengthened steels. <i>Nature Materials</i> , 2011 , 10, 922-6	27	279
135	Temperature-induced anomalous brittle-to-ductile transition of bulk metallic glasses. <i>Applied Physics Letters</i> , 2011 , 99, 241907	3.4	21
134	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
133	Localized surface plasmon resonance of nanoporous gold. <i>Applied Physics Letters</i> , 2011 , 98, 093701	3.4	117
132	Characterization of nanoscale mechanical heterogeneity in a metallic glass by dynamic force microscopy. <i>Physical Review Letters</i> , 2011 , 106, 125504	7.4	286
131	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
130	Field emission from atomically thin edges of reduced graphene oxide. <i>ACS Nano</i> , 2011 , 5, 4945-52	16.7	125
129	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	
128	Direct observation of local atomic order in a metallic glass. <i>Nature Materials</i> , 2011 , 10, 28-33	27	391
127	Nanoporous metal/oxide hybrid electrodes for electrochemical supercapacitors. <i>Nature Nanotechnology</i> , 2011 , 6, 232-6	28.7	1705
126	A brief overview of bulk metallic glasses. <i>NPG Asia Materials</i> , 2011 , 3, 82-90	10.3	291
125	Photoluminescence from chemically exfoliated MoS ₂ . <i>Nano Letters</i> , 2011 , 11, 5111-6	11.5	2897
124	Highly optimized embedded-atom-method potentials for fourteen fcc metals. <i>Physical Review B</i> , 2011 , 83,	3.3	340
123	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
122	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
121	Li storage in 3D nanoporous Au-supported nanocrystalline tin. <i>Advanced Materials</i> , 2011 , 23, 2443-7	24	183
120	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
119	Tailored nanoporous gold for ultrahigh fluorescence enhancement. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 3795-9	3.6	25

118	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
117	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
116	Wrinkled nanoporous gold films with ultrahigh surface-enhanced Raman scattering enhancement. <i>ACS Nano</i> , 2011 , 5, 4407-13	16.7	209
115	Nanoindentation characterization of deformation and failure of aluminum oxynitride. <i>Acta Materialia</i> , 2011 , 59, 1671-1679	8.4	34
114	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
113	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
112	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
111	Oxygen reduction in nanoporous metal-ionic liquid composite electrocatalysts. <i>Nature Materials</i> , 2010 , 9, 904-7	27	556
110	Effect of doping and counterdoping on high-pressure phase transitions of silicon. <i>Applied Physics Letters</i> , 2010 , 96, 251910	3.4	8
109	Size dependence of molecular fluorescence enhancement of nanoporous gold. <i>Applied Physics Letters</i> , 2010 , 96, 073701	3.4	47
108	On the effect of impurities in metallic glass formation. <i>Applied Physics Letters</i> , 2010 , 96, 141901	3.4	11
107	Relating activation of shear transformation zones to α -relaxations in metallic glasses. <i>Physical Review B</i> , 2010 , 81,	3.3	238
106	Deformation-induced change in the structure of metallic glasses during multistep indentation. <i>Physical Review B</i> , 2010 , 81,	3.3	8
105	Stress-temperature scaling for steady-state flow in metallic glasses. <i>Physical Review Letters</i> , 2010 , 104, 205701	7.4	162
104	Coupling between chemical and dynamic heterogeneities in a multicomponent bulk metallic glass. <i>Physical Review B</i> , 2010 , 81,	3.3	66
103	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
102	Pressure-induced depolarization and resonance in Raman scattering of single-crystalline boron carbide. <i>Physical Review B</i> , 2010 , 81,	3.3	31
101	Ni-rich NiPdB 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

100	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
99	Electrochemical synthesis of palladium nanostructures with controllable morphology. <i>Nanotechnology</i> , 2010 , 21, 85601	3.4	25
98	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
97	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
96	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
95	Enhanced Electrochemical Performances of Nanoporous Gold by Surface Modification of Titanium Dioxide Nanoparticles. <i>Materials Transactions</i> , 2010 , 51, 1566-1569	1.3	13
94	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
93	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
92	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
91	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
90	Controlled formation and mechanical characterization of metallic glassy nanowires. <i>Advanced Materials</i> , 2010 , 22, 872-5	24	42
89	Nanostructured Materials as Catalysts: Nanoporous-Gold-Catalyzed Oxidation of Organosilanes with Water. <i>Angewandte Chemie</i> , 2010 , 122, 10291-10293	3.6	44
88	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
87	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
86	Doping and temperature dependence of Raman scattering from NdFeAsO _{1-x} F _x (x=0.2) superconductor. <i>Physical Review B</i> , 2009 , 79,	3.3	18
85	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
84	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
83	Rate-change instrumented indentation for measuring strain rate sensitivity. <i>Journal of Materials Research</i> , 2009 , 24, 1466-1470	2.5	14

82	Quantitative electron holographic tomography for a spherical object. <i>Microscopy (Oxford, England)</i> , 2009 , 58, 301-4	1.3	1
81	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
80	Nanoporous Copper with Tunable Nanoporosity for SERS Applications. <i>Advanced Functional Materials</i> , 2009 , 19, 1221-1226	15.6	286
79	ALON: A brief history of its emergence and evolution. <i>Journal of the European Ceramic Society</i> , 2009 , 29, 223-236	6	212
78	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
77	Depressurization amorphization of single-crystal boron carbide. <i>Physical Review Letters</i> , 2009 , 102, 075505	5.1	126
76	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
75	Nanoporous Metals for Catalytic and Optical Applications. <i>MRS Bulletin</i> , 2009 , 34, 569-576	3.2	348
74	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
73	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
72	High-pressure Raman spectroscopy of carbon onions and nanocapsules. <i>Applied Physics Letters</i> , 2009 , 95, 051920	3.4	16
71	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
70	Doping Effect on High-Pressure Structural Stability of ZnO Nanowires. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 1164-1167	3.8	21
69	Plastic Deformation-Assisted Synthesis of Metallic Glass Nanostructures. <i>Materials Transactions</i> , 2009 , 50, 1890-1893	1.3	4
68	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
67	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
66	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, 14769-14772	11.5	419
65	Nanoporous Metals by Dealloying Multicomponent Metallic Glasses. <i>Chemistry of Materials</i> , 2008 , 20, 4548-4550	9.6	248

64	Metallic glass nanowire. <i>Nano Letters</i> , 2008 , 8, 516-9	11.5	32
63	Synthesis and optical properties of three-dimensional porous core-shell nanoarchitectures. <i>Langmuir</i> , 2008 , 24, 4426-9	4	36
62	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
61	Three-dimensional morphology of nanoporous gold. <i>Applied Physics Letters</i> , 2008 , 92, 251902	3.4	206
60	Large surface enhanced Raman scattering enhancements from fracture surfaces of nanoporous gold. <i>Applied Physics Letters</i> , 2008 , 92, 093113	3.4	41
59	Unusually small electrical resistance of three-dimensional nanoporous gold in external magnetic fields. <i>Physical Review Letters</i> , 2008 , 101, 166601	7.4	72
58	TEM Sample Preparation for Microcompressed Nanocrystalline Ni. <i>Materials Transactions</i> , 2008 , 49, 2091-2095	8	8
57	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
56	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
55	Dynamic Compressive Failure of ALON Under Controlled Planar Confinement. <i>Journal of the American Ceramic Society</i> , 2008 , 91, 3619-3629	3.8	52
54	Ultra-Large Room-Temperature Compressive Plasticity of a Nanocrystalline Metal. <i>Nano Letters</i> , 2007 , 7, 2108-2111	11.5	71
53	Surface enhanced Raman scattering of nanoporous gold: Smaller pore sizes stronger enhancements. <i>Applied Physics Letters</i> , 2007 , 90, 153120	3.4	291
52	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
51	Electron holography of single-crystal iron nanorods encapsulated in carbon nanotubes. <i>Journal of Applied Physics</i> , 2007 , 101, 014323	2.5	20
50	Electrical conductivity of a bulk metallic glass composite. <i>Applied Physics Letters</i> , 2007 , 91, 154101	3.4	16
49	Deposition and Characterization of Fe _{0.55} Co _{0.45} Nanowires. <i>Journal of the Electrochemical Society</i> , 2007 , 154, D572	3.9	15
48	Ultrafine nanoporous gold by low-temperature dealloying and kinetics of nanopore formation. <i>Applied Physics Letters</i> , 2007 , 91, 083105	3.4	300
47	In situ Raman characterization of reversible phase transition in stress-induced amorphous silicon. <i>Applied Physics Letters</i> , 2007 , 91, 101903	3.4	17

46	Strengthening and softening of nanocrystalline nickel during multistep nanoindentation. <i>Applied Physics Letters</i> , 2006 , 88, 161922	3.4	52
45	Mechanical scratching induced phase transitions and reactions of boron carbide. <i>Journal of Applied Physics</i> , 2006 , 100, 123517	2.5	28
44	Raman spectroscopy of pressure-induced amorphous boron carbide. <i>Applied Physics Letters</i> , 2006 , 88, 131905	3.4	98
43	Extraordinary plasticity of ductile bulk metallic glasses. <i>Physical Review Letters</i> , 2006 , 96, 245502	7.4	248
42	Measuring Elastic Energy Density of Bulk Metallic Glasses by Nanoindentation. <i>Materials Transactions</i> , 2006 , 47, 1981-1984	1.3	14
41	Dynamic plasticity and failure of high-purity alumina under shock loading. <i>Nature Materials</i> , 2006 , 5, 614-617	4.7	126
40	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
39	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
38	Mechanical Behavior of Nanocrystalline Metals 2006 ,		4
37	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
36	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
35	Microstructural Characterization of Commercial Hot-Pressed Boron Carbide Ceramics. <i>Journal of the American Ceramic Society</i> , 2005 , 88, 1935-1942	3.8	115
34	Epitaxial casting of nanotubular mesoporous platinum. <i>Angewandte Chemie - International Edition</i> , 2005 , 44, 4002-6	16.4	67
33	Epitaxial Casting of Nanotubular Mesoporous Platinum. <i>Angewandte Chemie</i> , 2005 , 117, 4070-4074	3.6	12
32	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
31	Comment on "Grain boundary-mediated plasticity in nanocrystalline nickel". <i>Science</i> , 2005 , 308, 356; author reply 356	33.3	24
30	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
29	Metallic mesoporous nanocomposites for electrocatalysis. <i>Journal of the American Chemical Society</i> , 2004 , 126, 6876-7	16.4	370

28	Deformation twinning in nanocrystalline aluminum. <i>Science</i> , 2003 , 300, 1275-7	33.3	910
27	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
26	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
25	Diffusionally accommodated interfacial sliding in metal-silicon systems. <i>Acta Materialia</i> , 2003 , 51, 2831-2846	28.4	23
24	Shock-induced localized amorphization in boron carbide. <i>Science</i> , 2003 , 299, 1563-6	33.3	401
23	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
22	High tensile ductility in a nanostructured metal. <i>Nature</i> , 2002 , 419, 912-5	50.4	2143
21	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
20	Enhanced tensile ductility and toughness in nanostructured Cu. <i>Applied Physics Letters</i> , 2002 , 80, 2395-2397	23.97	223
19	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
18	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
17	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
16	Partitioning behavior of Al in a nanocrystalline FeZrAl soft magnetic alloy. <i>Journal of Applied Physics</i> , 2000 , 87, 439-442	2.5	5
15	Ductile quasicrystalline alloys. <i>Applied Physics Letters</i> , 2000 , 76, 967-969	3.4	72
14	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
13	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
12	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
11	Quasicrystals and nano-quasicrystals in annealed ZrAlNiCuAg metallic glasses. <i>Intermetallics</i> , 2000 , 8, 493-498	3.5	13

10	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
9	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
8	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
7	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
6	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
5	High Strength and Good Ductility of Bulk Quasicrystalline Base Alloys in Zr ₆₅ Al _{7.5} Ni ₁₀ Cu _{17.5} -xPdx System. <i>Materials Transactions, JIM</i> , 1999 , 40, 1137-1143		99
4	Influence of lamellar lath orientation on crack propagation in a gamma TiAl alloy. <i>Scripta Materialia</i> , 1997 , 36, 497-501	5.6	9
3	Modulated structure in a rapidly solidified Ni-47Al alloy. <i>Materials Letters</i> , 1996 , 28, 513-516	3.3	3
2	In Situ Straining Tem Observation of Fracture Behavior in PST Crystals of TiAl. <i>Materials Research Society Symposia Proceedings</i> , 1994 , 364, 1047		1
1	Dynamic Restoration Mechanism of a Fe ₃ Al Based Alloy During Elevated Temperature Deformation. <i>Materials Research Society Symposia Proceedings</i> , 1994 , 364, 255		