

# Shijian Zheng

## List of Publications by Year in descending order

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134  
papers

6,654  
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66343

42  
h-index

69250

77  
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135  
all docs

135  
docs citations

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times ranked

7152  
citing authors

#	ARTICLE	IF	CITATIONS
1	Dislocation facilitated formation and evolution of basal-prismatic/prismatic-basal interfaces in a Mg alloy. <i>Scripta Materialia</i> , 2022, 206, 114237.	5.2	10
2	Effect of void morphology on void facilitated plasticity in irradiated Cu/Nb metallic nanolayered composites. <i>Journal of Nuclear Materials</i> , 2022, 558, 153380.	2.7	7
3	Na <sup>+</sup> /vacancy disordered manganese-based oxide cathode with ultralow strain enabled by tuning charge distribution. <i>Journal of Materials Chemistry A</i> , 2022, 10, 10391-10399.	10.3	10
4	Enhancing strength and ductility via crystalline-amorphous nanoarchitectures in TiZr-based alloys. <i>Science Advances</i> , 2022, 8, eabm2884.	10.3	22
5	Atomic-resolution studies on reactions between basal dislocations and $\{10\bar{1}0\}$ twinning induced by the interaction between $\{11\bar{2}0\}$ twin and $\{10\bar{1}0\}$ twin in $\text{Mg}$ alloy. <i>Acta Metallurgica</i> , 2022, 231, 117900.	7.9	9
6	In Situ Electrochemically Formed Ag/NiOOH/Ni <sub>3</sub> S <sub>2</sub> Heterostructure Electrocatalysts with Exceptional Performance toward Oxygen Evolution Reaction. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 5976-5985.	6.7	15
7	Atomic scale structure dominated FCC and B2 responses to He ion irradiation in eutectic high-entropy alloy AlCoCrFeNi <sub>2.1</sub> . <i>Journal of Materials Science and Technology</i> , 2022, 129, 87-95.	10.7	13
8	Dependence of Plastic Stability on 3D Interface Layer in Nanolaminated Materials. <i>Acta Metallurgica Sinica (English Letters)</i> , 2022, 35, 1759-1764.	2.9	3
9	Microstructure and mechanical properties of CoCrNi-Mo medium entropy alloys: Experiments and first-principle calculations. <i>Journal of Materials Science and Technology</i> , 2021, 62, 25-33.	10.7	64
10	Characterization of $\{10\bar{1}0\}$ Precipitates in Ti-6Al and Ti-8Al Binary Alloys: A Comparative Investigation. <i>Acta Metallurgica Sinica (English Letters)</i> , 2021, 34, 710-718.	2.9	5
11	Atomic-resolution studies on reactions between basal dislocations and $\{10\bar{1}0\}$ coherent twin boundaries in a Mg alloy. <i>Journal of Materials Science and Technology</i> , 2021, 66, 28-35.	10.7	19
12	Faceted Kurdjumov-Sachs interface-induced slip continuity in the eutectic high-entropy alloy, AlCoCrFeNi <sub>2.1</sub> . <i>Journal of Materials Science and Technology</i> , 2021, 65, 216-227.	10.7	95
13	Interfacial dislocations dominated lateral growth of long-period stacking ordered phase in Mg alloys. <i>Journal of Materials Science and Technology</i> , 2021, 61, 114-118.	10.7	8
14	Fatigue-induced interface damage in Cu/V nanoscale metallic multilayers. <i>Scripta Materialia</i> , 2021, 190, 103-107.	5.2	8
15	Doping in Semiconductor Oxides-Based Electron Transport Materials for Perovskite Solar Cells Application. <i>Solar Rrl</i> , 2021, 5, 2000605.	5.8	19
16	Photon management to reduce energy loss in perovskite solar cells. <i>Chemical Society Reviews</i> , 2021, 50, 7250-7329.	38.1	83
17	Atomic-resolution studies on reactions of slip dislocations with $\{10\bar{1}0\}$ twin boundaries and local plastic relaxation in a Mg alloy. <i>Acta Materialia</i> , 2021, 206, 116622.	7.9	17
18	Trap State Passivation by Rational Ligand Molecule Engineering toward Efficient and Stable Perovskite Solar Cells Exceeding 23% Efficiency. <i>Advanced Energy Materials</i> , 2021, 11, 2100529.	19.5	201

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19	Effects of Al content and $\delta$ phase precipitation on the fatigue crack growth behaviors of binary Ti-Al alloys. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2021, 819, 141513.	5.6	6
20	Hardening induced by dislocation core spreading at disordered interface in Cu/Nb multilayers. <i>Scripta Materialia</i> , 2021, 200, 113917.	5.2	25
21	Zwitterionic Ionic Liquid Confer Defect Tolerance, High Conductivity, and Hydrophobicity toward Efficient Perovskite Solar Cells Exceeding 22% Efficiency. <i>Solar Rrl</i> , 2021, 5, 2100352.	5.8	35
22	High-temperature strength-coercivity balance in a FeCo-based soft magnetic alloy via magnetic nanoprecipitates. <i>Journal of Materials Science and Technology</i> , 2021, 81, 36-42.	10.7	5
23	Femtosecond laser-induced nanoporous layer for enhanced osteogenesis of titanium implants. <i>Materials Science and Engineering C</i> , 2021, 127, 112247.	7.3	12
24	Precipitation behavior of $\delta$ phase and its influence on mechanical properties of binary Ti-8Al alloy. <i>Journal of Alloys and Compounds</i> , 2021, 871, 159577.	5.5	10
25	Multifunctional Reductive Molecular Modulator toward Efficient and Stable Perovskite Solar Cells. <i>Solar Rrl</i> , 2021, 5, 2100320.	5.8	18
26	A new refractory Ni7Nb2 phase identified in Laves eutectic regions by TEM study. <i>Acta Materialia</i> , 2021, 214, 116985.	7.9	9
27	Grain boundary defect passivation by in situ formed wide-bandgap lead sulfate for efficient and stable perovskite solar cells. <i>Chemical Engineering Journal</i> , 2021, 426, 130685.	12.7	34
28	Remarkable ductility in metastable refractory high entropy alloys via BCC-FCC $\delta$ phase martensitic transformations. <i>Applied Physics Letters</i> , 2021, 119, 151902.	3.3	3
29	Stacking Faults and Growth Twins in Long-Period Stacking-Ordered Structures in Mg-Co-Y Alloys. <i>Advanced Engineering Materials</i> , 2020, 22, 1901029.	3.5	2
30	Creep induced precipitation of the (Cr,Mo)5B3-type boride in $\delta$ phase eutectic of a Ni-based superalloy. <i>Materials Characterization</i> , 2020, 169, 110569.	4.4	6
31	Interface effects on the properties of Cu-Nb nanolayered composites. <i>Journal of Materials Research</i> , 2020, 35, 2684-2700.	2.6	14
32	Doping in inorganic perovskite for photovoltaic application. <i>Nano Energy</i> , 2020, 78, 105354.	16.0	53
33	Crystallization behavior of an Au based metallic glass at high temperature. <i>Journal of Alloys and Compounds</i> , 2020, 835, 155245.	5.5	4
34	Role of interfacial transition zones in the fracture of Cu/V nanolamellar multilayers. <i>Materials Research Letters</i> , 2020, 8, 299-306.	8.7	13
35	Cu-based metallic glass with robust activity and sustainability for wastewater treatment. <i>Journal of Materials Chemistry A</i> , 2020, 8, 10855-10864.	10.3	26
36	Atomic-resolution investigations on formation and evolution of symmetric tilt grain boundaries near the $\{101\bar{1}2\}$ twin orientation in a Mg alloy. <i>Scripta Materialia</i> , 2020, 187, 113-118.	5.2	12

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37	Stacking faults and growth twins in long-period stacking ordered structures in a near-equilibrium Mg <sub>97</sub> Zn <sub>1</sub> Y <sub>2</sub> alloy. <i>Materials Characterization</i> , 2020, 165, 110395.	4.4	3
38	High-strength and high-ductility AlCoCrFeNi <sub>2.1</sub> eutectic high-entropy alloy achieved via precipitation strengthening in a heterogeneous structure. <i>Scripta Materialia</i> , 2020, 186, 336-340.	5.2	190
39	Recent progresses on alloy-based anodes for potassium-ion batteries. <i>Rare Metals</i> , 2020, 39, 989-1004.	7.1	64
40	Void-interface wetting to crossing transition owing to bubble to void transformation. <i>Applied Physics Letters</i> , 2020, 116, .	3.3	3
41	Basal shearing of twinned stacking faults and its effect on mechanical properties in an Mg-Zn-Y alloy with LPSO phase. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2020, 779, 139109.	5.6	24
42	Interface facilitated transformation of voids directly into stacking fault tetrahedra. <i>Acta Materialia</i> , 2020, 188, 623-634.	7.9	21
43	Interface Effects on He Ion Irradiation in Nanostructured Materials. <i>Materials</i> , 2019, 12, 2639.	2.9	13
44	Twinning and sequential kinking in lamellar Ti-6Al-4V alloy. <i>Acta Materialia</i> , 2019, 181, 479-490.	7.9	80
45	Strengthening of alloy AA6022-T4 by continuous bending under tension. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2019, 758, 47-55.	5.6	22
46	Chloride attack on the passive film of duplex alloy. <i>Corrosion Science</i> , 2019, 154, 123-128.	6.6	41
47	Thermally stable microstructures and mechanical properties of B <sub>4</sub> C-Al composite with in-situ formed Mg(Al)B <sub>2</sub> . <i>Journal of Materials Science and Technology</i> , 2019, 35, 1825-1830.	10.7	23
48	Fabrication of aluminum matrix composites reinforced with Ni-coated graphene nanosheets. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2019, 754, 437-446.	5.6	57
49	Oxide MnCr <sub>2</sub> O <sub>4</sub> induced pitting corrosion in high entropy alloy CrMnFeCoNi. <i>Materialia</i> , 2019, 6, 100275.	2.7	26
50	Corrosion onset associated with the reinforcement and secondary phases in B <sub>4</sub> C-6061Al neutron absorber material in H <sub>3</sub> BO <sub>3</sub> solution. <i>Corrosion Science</i> , 2019, 153, 74-84.	6.6	17
51	Strength and ductility of bulk Cu/Nb nanolaminates exposed to extremely high temperatures. <i>Scripta Materialia</i> , 2019, 166, 73-77.	5.2	33
52	Segregation of solute atoms along deformation-induced boundaries in an Mg-Zn-Y alloy containing long period stacking ordered phase. <i>Materialia</i> , 2019, 6, 100287.	2.7	10
53	Effect of temperature on deformation mechanisms of the Mg <sub>88</sub> Co <sub>5</sub> Y <sub>7</sub> alloy during hot compression. <i>Materials Characterization</i> , 2019, 151, 553-562.	4.4	8
54	Deformation induced FCC lamellae and their interaction in commercial pure Ti. <i>Scripta Materialia</i> , 2019, 162, 326-330.	5.2	74

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55	Unravelling the local ring-like atomic pattern of twin boundary in an Mg-Zn-Y alloy. Philosophical Magazine, 2019, 99, 306-317.	1.6	3
56	Boride-induced dislocation channeling in a single crystal Ni-based superalloy. Materials Letters, 2019, 235, 232-235.	2.6	11
57	A promising new class of irradiation tolerant materials: Ti <sub>2</sub> ZrHfV <sub>0.5</sub> Mo <sub>0.2</sub> high-entropy alloy. Journal of Materials Science and Technology, 2019, 35, 369-373.	10.7	266
58	Deformation-induced interfacial transition zone in Cu/V nanolamellar multilayers. Scripta Materialia, 2019, 159, 104-108.	5.2	17
59	High He-ion irradiation resistance of CrMnFeCoNi high-entropy alloy revealed by comparison study with Ni and 304SS. Journal of Materials Science and Technology, 2019, 35, 300-305.	10.7	101
60	Enhancing strength and thermal stability of TWIP steels with a heterogeneous structure. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2018, 720, 231-237.	5.6	20
61	Substitutional Carbon-Modified Anatase TiO <sub>2</sub> Decahedral Plates Directly Derived from Titanium Oxalate Crystals via Topotactic Transition. Advanced Materials, 2018, 30, e1705999.	21.0	46
62	Metal organic framework-derived CoPS/N-doped carbon for efficient electrocatalytic hydrogen evolution. Nanoscale, 2018, 10, 7291-7297.	5.6	107
63	Regulating kinetics of deformation-induced phase transformation in amorphous alloy composite via tuning nano-scale compositional heterogeneity in crystalline phase. Intermetallics, 2018, 93, 72-76.	3.9	5
64	Microstructure evolution and mechanical properties of a new cast Ni-base superalloy with various Ti contents. Journal of Alloys and Compounds, 2018, 735, 193-201.	5.5	41
65	Effect of long-term aging on the microstructure, stress rupture properties and deformation mechanisms of a new cast nickel base superalloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2018, 736, 76-86.	5.6	32
66	Atomically Dispersed Fe <sub>N</sub> /C Electrocatalyst Boosts Oxygen Catalysis via a New Metal-Organic Polymer Supramolecule Strategy. Advanced Energy Materials, 2018, 8, 1801226.	19.5	216
67	Quasi-in-situ observing the growth of native oxide film on the FeCr <sub>15</sub> Ni <sub>15</sub> austenitic alloy by TEM. Corrosion Science, 2018, 140, 1-7.	6.6	10
68	Ultrafine-grained CuAg <sub>7</sub> Zr <sub>0.05</sub> alloy with fully recrystallized microstructure. Materialia, 2018, 3, 162-168.	2.7	8
69	Unprecedented plastic flow channel in $B_{28}$ through ultrasoft bonds: A challenge to superhardness. Physical Review Materials, 2018, 2, 013801.	2.4	12
70	Effects of He radiation on cavity distribution and hardness of bulk nanolayered Cu-Nb composites. Journal of Nuclear Materials, 2017, 487, 311-316.	2.7	28
71	Atomic structure of the Fe <sub>3</sub> C interface with the Isaichev orientation in pearlite. Philosophical Magazine, 2017, 97, 2375-2386.	1.6	22
72	Effects of Pressure and Number of Turns on Microstructural Homogeneity Developed in High-Pressure Double Torsion. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2017, 48, 1249-1263.	2.2	14

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73	Low-temperature hydrogen production from water and methanol using Pt/Î±-MoC catalysts. <i>Nature</i> , 2017, 544, 80-83.	27.8	1,090
74	Strong, Ductile, and Thermally Stable bcc-Mg Nanolaminates. <i>Scientific Reports</i> , 2017, 7, 8264.	3.3	53
75	Distribution of the microalloying element Cu in B4C-reinforced 6061Al composites. <i>Journal of Alloys and Compounds</i> , 2017, 728, 112-117.	5.5	28
76	Combined Approach of QSAR and Docking Studies for the Design of Local Anaesthetic Agents. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2017, 20, 272-276.	1.1	0
77	Deformation twinning induced decomposition of lamellar LPSO structure and its re-precipitation in an Mg-Zn-Y alloy. <i>Scientific Reports</i> , 2016, 6, 30096.	3.3	34
78	Structure and energetics of nanotwins in cubic boron nitrides. <i>Applied Physics Letters</i> , 2016, 109, .	3.3	22
79	Manipulating dislocation nucleation and shear resistance of bimetal interfaces by atomic steps. <i>Acta Materialia</i> , 2016, 113, 194-205.	7.9	44
80	Enhanced thermoelectric properties of topological crystalline insulator PbSnTe nanowires grown by vapor transport. <i>Nano Research</i> , 2016, 9, 820-830.	10.4	22
81	Atomic scale understanding of the interaction between alloying copper and MnS inclusions in stainless steels in NaCl electrolyte. <i>Corrosion Science</i> , 2016, 111, 414-421.	6.6	25
82	Microstructural evolution at interfaces of thermal barrier coatings during isothermal oxidation. <i>Journal of the European Ceramic Society</i> , 2016, 36, 1765-1774.	5.7	45
83	Adhesion of voids to bimetal interfaces with non-uniform energies. <i>Scientific Reports</i> , 2015, 5, 15428.	3.3	41
84	The Suppression of Instabilities via Biphasic Interfaces During Bulk Fabrication of Nanograined Zr. <i>Materials Research Letters</i> , 2015, 3, 50-57.	8.7	18
85	Microstructural evolution of the interface between NiCrAlY coating and superalloy during isothermal oxidation. <i>Materials &amp; Design</i> , 2015, 80, 63-69.	5.1	70
86	Bulk texture evolution of nanolamellar Zrâ€“Nb composites processed via accumulative roll bonding. <i>Acta Materialia</i> , 2015, 92, 97-108.	7.9	79
87	Role of the interface on radiation damage in the SrTiO3/LaAlO3 heterostructure under Ne2+ ion irradiation. <i>Journal of Applied Physics</i> , 2014, 115, .	2.5	10
88	An interface facet driven Rayleigh instability in high-aspect-ratio bimetallic nanolayered composites. <i>Applied Physics Letters</i> , 2014, 105, .	3.3	25
89	Processing Parameter Influence on Texture and Microstructural Evolution in Cu-Nb Multilayer Composites Fabricated via Accumulative Roll Bonding. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2014, 45, 2192-2208.	2.2	67
90	Emergence of stable interfaces under extreme plastic deformation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 4386-4390.	7.1	150

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91	Deformation and failure of shocked bulk Cu–Nb nanolaminates. <i>Acta Materialia</i> , 2014, 63, 150-161.	7.9	88
92	Plastic instability mechanisms in bimetallic nanolayered composites. <i>Acta Materialia</i> , 2014, 79, 282-291.	7.9	124
93	Influence of slip and twinning on the crystallographic stability of bimetal interfaces in nanocomposites under deformation. <i>Acta Materialia</i> , 2014, 72, 137-147.	7.9	40
94	Interface structure of Nb films on single crystal MgO(100) and MgO(111) substrates. <i>Acta Materialia</i> , 2014, 64, 100-112.	7.9	19
95	Microstructural characteristics of the microphase Y-Ti <sub>2</sub> SC in nickel-based superalloys. <i>Journal of Alloys and Compounds</i> , 2014, 611, 104-110.	5.5	8
96	Texture evolution and enhanced grain refinement under high-pressure-double-torsion. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2014, 611, 29-36.	5.6	67
97	A multi-scale model for texture development in Zr/Nb nanolayered composites processed by accumulative roll bonding. <i>IOP Conference Series: Materials Science and Engineering</i> , 2014, 63, 012170.	0.6	11
98	Atomic-scale decoration for improving the pitting corrosion resistance of austenitic stainless steels. <i>Scientific Reports</i> , 2014, 4, 3604.	3.3	14
99	Engineering Interface Structures and Thermal Stabilities via SPD Processing in Bulk Nanostructured Metals. <i>Scientific Reports</i> , 2014, 4, 4226.	3.3	65
100	Thermal stability of Cu–Nb nanolamellar composites fabricated via accumulative roll bonding. <i>Philosophical Magazine</i> , 2013, 93, 718-735.	1.6	95
101	Antiphase inversion domains in lithium cobaltite thin films deposited on single-crystal sapphire substrates. <i>Acta Materialia</i> , 2013, 61, 7671-7678.	7.9	29
102	Interface-driven microstructure development and ultra high strength of bulk nanostructured Cu-Nb multilayers fabricated by severe plastic deformation. <i>Journal of Materials Research</i> , 2013, 28, 1799-1812.	2.6	142
103	Atomistic study of abnormal grain growth structure in BaTiO <sub>3</sub> by transmission electron microscopy and scanning transmission electron microscopy. <i>Acta Materialia</i> , 2013, 61, 2298-2307.	7.9	15
104	High-strength and thermally stable bulk nanolayered composites due to twin-induced interfaces. <i>Nature Communications</i> , 2013, 4, 1696.	12.8	298
105	Structure-Dependent Electrocatalytic Properties of Cu <sub>2</sub> O Nanocrystals for Oxygen Reduction Reaction. <i>Journal of Physical Chemistry C</i> , 2013, 117, 13872-13878.	3.1	92
106	Self-Adjusting Characterization for Steady-State, Direct Current Cathode-Dominated Glow Discharge Plasmas at High Pressures. <i>Chinese Physics Letters</i> , 2013, 30, 085201.	3.3	1
107	Synthesis and mechanical behavior of nanoporous nanotwinned copper. <i>Applied Physics Letters</i> , 2013, 103, .	3.3	11
108	Optimum high temperature strength of two-dimensional nanocomposites. <i>APL Materials</i> , 2013, 1, .	5.1	43

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109	Twinnability of bimetal interfaces in nanostructured composites. <i>Materials Research Letters</i> , 2013, 1, 89-95.	8.7	65
110	A diagnosis of gas-phase processes in a high pressure DC CH <sub>4</sub> /H <sub>2</sub> plasma. <i>Wuli Xuebao/Acta Physica Sinica</i> , 2013, 62, 165204.	0.5	4
111	Microstructural Observation of LiNi <sub>0.8</sub> Co <sub>0.15</sub> Al <sub>0.05</sub> O <sub>2</sub> after Charge and Discharge by Scanning Transmission Electron Microscopy. <i>Journal of the Electrochemical Society</i> , 2012, 159, A1070-A1073.	2.9	101
112	Domain formation in anatase TiO <sub>2</sub> thin films on LaAlO <sub>3</sub> substrates. <i>Applied Physics Letters</i> , 2012, 101, .	3.3	16
113	Structureâ€“Propertyâ€“Functionality of Bimetal Interfaces. <i>Jom</i> , 2012, 64, 1192-1207.	1.9	140
114	Minimum energy structures of faceted, incoherent interfaces. <i>Journal of Applied Physics</i> , 2012, 112, .	2.5	46
115	New Polytypoid SnO <sub>2</sub> (ZnO:Sn) <sub>im</sub> Nanowire: Characterization and Calculation of Its Electronic Structure. <i>Journal of Physical Chemistry C</i> , 2012, 116, 5009-5013.	3.1	13
116	Structure and Property of Interfaces in ARB Cu/Nb Laminated Composites. <i>Jom</i> , 2012, 64, 1208-1217.	1.9	63
117	Deformation twinning mechanisms from bimetal interfaces as revealed by in situ straining in the TEM. <i>Acta Materialia</i> , 2012, 60, 5858-5866.	7.9	94
118	Unusually Large Enhancement of Thermopower in an Electric Field Induced Twoâ€“Dimensional Electron Gas. <i>Advanced Materials</i> , 2012, 24, 740-744.	21.0	83
119	Microstructural Changes in LiNi <sub>0.8</sub> Co <sub>0.15</sub> Al <sub>0.05</sub> O <sub>2</sub> Positive Electrode Material during the First Cycle. <i>Journal of the Electrochemical Society</i> , 2011, 158, A357-A362.	2.9	140
120	Cu-doped SiO <sub>x</sub> C <sub>y</sub> nanostructures induced by radio frequency plasma jet using hexamethyldisiloxane. <i>Applied Surface Science</i> , 2011, 258, 1149-1152.	6.1	0
121	Identification of MnCr <sub>2</sub> O <sub>4</sub> nano-octahedron in catalysing pitting corrosion of austenitic stainless steels. <i>Acta Materialia</i> , 2010, 58, 5070-5085.	7.9	122
122	Microstructure tuning of epitaxial BaTiO <sub>3</sub> <sup>x</sup> thin films grown using laser molecular-beam epitaxy by varying the oxygen pressure. <i>Thin Solid Films</i> , 2010, 518, 3669-3673.	1.8	12
123	Microstructural evolution of [PbZr <sub>x</sub> Ti <sub>1-x</sub> O <sub>3</sub> /PbZr <sub>y</sub> Ti <sub>1-y</sub> O <sub>3</sub> ] epitaxial multilayers (x/y= 0.2/0.4.) <i>TJ ETQq1 1 0.784314 rgBT /Overl</i>	1.6	5
124	Impact of high interface density on ferroelectric and structural properties of PbZr <sub>0.2</sub> Ti <sub>0.8</sub> O <sub>3</sub> /PbZr <sub>0.4</sub> Ti <sub>0.6</sub> O <sub>3</sub> epitaxial multilayers. <i>Journal Physics D: Applied Physics</i> , 2009, 42, 085305.	2.8	11
125	Fabrication of atomically smooth SrRuO <sub>3</sub> thin films by laser molecular beam epitaxy. <i>Science in China Series G: Physics, Mechanics and Astronomy</i> , 2008, 51, 745-749.	0.2	2
126	Abnormal grain growth of BaTiO <sub>3</sub> by 2D nucleation and lateral growth. <i>Journal of the European Ceramic Society</i> , 2008, 28, 1821-1825.	5.7	11



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127	Anisotropic behavior of exchange coupling in textured Nd <sub>2</sub> Fe <sub>14</sub> B/ $\hat{\pm}$ -Fe multilayer films. Journal of Applied Physics, 2008, 104, 053903.	2.5	37
128	Plasticity of bulk metallic glasses improved by controlling the solidification condition. Journal of Materials Research, 2008, 23, 941-948.	2.6	44
129	Surface plasmon enhanced transmission and directivity through subwavelength slit in X-band microwaves. Applied Physics Letters, 2008, 92, .	3.3	7
130	TEM and STEM investigation of grain boundaries and second phases in barium titanate. Philosophical Magazine, 2007, 87, 5447-5459.	1.6	4
131	Asymmetrical twin boundaries and highly dense antiphase domains in BaNb <sub>0.3</sub> Ti <sub>0.7</sub> O <sub>3</sub> thin films. Philosophical Magazine, 2007, 87, 4421-4431.	1.6	4
132	A modified sol-gel process for multiferroic nanocomposite films. Journal of Applied Physics, 2007, 102, .	2.5	78
133	Twinning and Sequential Kinking in Lamellar Ti-6Al-4V Alloy. SSRN Electronic Journal, 0, , .	0.4	0
134	Void-Interface Wetting-to-Crossing Transition Due to Bubble-to-Void Transformation. SSRN Electronic Journal, 0, , .	0.4	0