Chan Hung Shek

List of Publications by Year in Descending Order

218 papers	7,825 citations	39 h-index	82 g-index
236 ext. papers	8,619 ext. citations	5.4 avg, IF	6.1 L-index

#	Paper	IF	Citations
218	Strengthening and deformation mechanism of interstitially N and C doped FeCrCoNi high entropy alloy. *Journal of Alloys and Compounds*, **2022**, 904, 164118	5.7	0
217	Machine learning prediction of magnetic properties of Fe-based metallic glasses considering glass forming ability. *Journal of Materials Science and Technology*, **2022**, 103, 113-120	9.1	2
216	Structural tuning for enhanced magnetic performance by Y substitution in FeB-based metallic glasses. *Journal of Physics Condensed Matter*, **2021**, 33, 104002	1.8	1
215	Heterogeneous Structure Design to Strengthen Carbon-Containing CoCrFeNi High Entropy Alloy. *Acta Metallurgica Sinica (English Letters)*, **2021**, 34, 1503	2.5	1
214	Strengthening and deformation mechanism of a Fe20Co20Cr20Mn20Ni20 high entropy alloy with high nitrogen content. *Journal of Alloys and Compounds*, **2021**, 871, 159587	5.7	3
213	Microstructure, grain growth behavior and mechanical properties of W-CoCuFeNi tungsten heavy alloys prepared by infiltration. *International Journal of Refractory Metals and Hard Materials*, **2021**, 98, 105572	4.1	4
212	Influence of short- to medium-range electronic and atomic structure on secondary relaxations in metallic glasses. *Acta Materialia*, **2020**, 196, 88-100	8.4	5
211	Compressive ductility and fracture resistance in CuZr-based shape-memory metallic-glass composites. *International Journal of Plasticity*, **2020**, 128, 102687	7.6	10
210	Effects of Hf on the microstructure and mechanical properties of CoCrFeNi high entropy alloy. *Journal of Alloys and Compounds*, **2020**, 827, 154159	5.7	41
209	Effect of process parameters on microstructure and mechanical properties of friction stir welded CoCrFeNi high entropy alloy. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2020**, 782, 139277	5.3	12
208	Understanding high ordering temperature in Gd6FeBi2 magnet: Critical behavior, electronic structure and crystal-field analysis. *Journal of Magnetism and Magnetic Materials*, **2020**, 499, 166301	2.8	2
207	CoCuFeNi high entropy alloy reinforced by in-situ W particles. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2020**, 797, 140218	5.3	8
206	Face Centered Cubic Co81.8Si9.1B9.1 With High Magnetocrystalline Anisotropy. *Physica Status Solidi - Rapid Research Letters*, **2018**, 12, 1700394	2.5	
205	Structures and physical properties of two magnetic Fe-based metallic glasses. *Journal of Alloys and Compounds*, **2018**, 747, 636-639	5.7	5
204	3D Nanoporous Gold with Very Low Parting Limit Derived from Au-Based Metallic Glass and Enhanced Methanol Electro-oxidation Catalytic Performance Induced by Metal Migration. *ChemNanoMat*, **2018**, 4, 88-97	3.5	7
203	Density fluctuations with fractal order in metallic glasses detected by synchrotron X-ray nano-computed tomography. *Acta Materialia*, **2018**, 155, 69-79	8.4	16
202	The influence of structure on the azo dye decolourization ability of ternary Fe-rich amorphous alloy. *Journal of Non-Crystalline Solids*, **2018**, 481, 152-159	3.9	1

201	Friction-stir welding of a ductile high entropy alloy: microstructural evolution and weld strength. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing* , **2018**, 711, 524-532	5.3	60
200	Latent class analysis of student artefacts **2018**,		1
199	Using Virtual Reality to Enhance Learning in a Chinese Architectures Course: A Flipped Classroom Approach **2018**,		2
198	Evolution of 3D nanoporosity and morphology in selectively dealloying ternary AuCuSi metallic glass ribbon with enhanced alcohol electro-oxidation performance. *Nanoscale*, **2018**, 10, 18846-18856	7.7	6
197	Friction stir welding of a CoCrFeNiAl0.3 high entropy alloy. *Materials Letters*, **2017**, 205, 142-144	3.3	56
196	Gold-rich ligament nanostructure by dealloying Au-based metallic glass ribbon for surface-enhanced Raman scattering. *Scientific Reports*, **2017**, 7, 7485	4.9	8
195	On the structures of the rare-earth metal germanides from the series REAlGe (RE = Nd, Sm, Gd, Tb, Dy, Ho; 0.6 Dalton Transactions, **2017**, 46, 9253-9265	4.3	3
194	Annealing effect on the phase stability and mechanical properties of (FeNiCrMn)(100)Co high entropy alloys. *Journal of Alloys and Compounds*, **2017**, 695, 2945-2950	5.7	48
193	Facile fabrication and application of SnO2ZnO nanocomposites: insight into chain-like frameworks, heterojunctions and quantum dots. *RSC Advances*, **2016**, 6, 82096-82102	3.7	13
192	Facile synthesis of hierarchical MnO superstructures and efficient catalytic performance. *Physical Chemistry Chemical Physics*, **2016**, 18, 26602-26608	3.6	6
191	The interface character distribution of cold-rolled and annealed duplex stainless steel. *Materials Characterization*, **2016**, 118, 397-404	3.9	9
190	Electroplastic forming in a Fe-based metallic glass ribbon. *Journal of Alloys and Compounds*, **2016**, 658, 795-799	5.7	10
189	Structure and magnetic behaviors of Gd 6 FeBi 2 compound. *Intermetallics*, **2016**, 68, 51-56	3.5	10
188	Effects of pre-compression deformation on nanoindentation response of Zr65Cu15Al10Ni10 bulk metallic glass. *Journal of Alloys and Compounds*, **2016**, 674, 223-228	5.7	19
187	Compositional dependence of phase formation and mechanical properties in three CoCrFeNi-(Mn/Al/Cu) high entropy alloys. *Intermetallics*, **2016**, 79, 1-11	3.5	60
186	ZrTiNi thin film metallic glass as a diffusion barrier between copper and silicon. *Journal of Materials Science*, **2015**, 50, 2085-2092	4.3	24
185	Formation of orthorhombic SnO2 originated from lattice distortion by Mn-doped tetragonal SnO2. *RSC Advances*, **2015**, 5, 39285-39290	3.7	21
184	Irradiated Graphene Loaded with SnOQuantum Dots for Energy Storage. *ACS Nano*, **2015**, 9, 11351-61	16.7	63

183	Insights from investigations of tin dioxide and its composites: electron-beam irradiation, fractal assessment, and mechanism. *Nanoscale*, **2015**, 7, 15532-52	7.7	6
182	Multifunctional tin dioxide materials: advances in preparation strategies, microstructure, and performance. *Chemical Communications*, **2015**, 51, 1175-84	5.8	4
181	High temperature deformation behavior of Mg67Zn28Ca5 metallic glass and its composites. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing* , **2015**, 621, 1-7	5.3	7
180	Abnormal thermal expansion, multiple transitions, magnetocaloric effect, and electronic structure of Gd6Co4.85. *Journal of Applied Physics*, **2015**, 118, 133903	2.5	8
179	Fe-species-loaded mesoporous MnO2 superstructural requirements for enhanced catalysis. *ACS Applied Materials & Interfaces*, **2015**, 7, 3949-59	9.5	53
178	Single photon sources with single semiconductor quantum dots. *Frontiers of Physics*, **2014**, 9, 170-193	3.7	25
177	Atomic-level structures and physical properties of magnetic CoSiB metallic glasses. *Journal of Magnetism and Magnetic Materials*, **2014**, 352, 49-55	2.8	7
176	Hierarchical mesoporous MnO2 superstructures synthesized by soft-interface method and their catalytic performances. *ACS Applied Materials & Interfaces*, **2014**, 6, 9776-84	9.5	62
175	Synthesis of an Fe rich amorphous structure with a catalytic effect to rapidly decolorize Azo dye at room temperature. *ACS Applied Materials & Interfaces*, **2014**, 6, 5500-5	9.5	49
174	The corrosion and oxidation behavior of Zr-based metallic glasses. *Journal of Materials Research*, **2014**, 29, 1248-1255	2.5	2
173	Annealing-dependent growth and nonlinear electrical properties of fractal Ge nanojoints based on Pd matrix. *Materials Letters*, **2014**, 115, 29-33	3.3	1
172	Effects of annealing on mechanical behavior of ZrTiNi thin film metallic glasses. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2014**, 608, 258-264	5.3	27
171	Heterojunctions and optical properties of ZnO/SnO2 nanocomposites adorned with quantum dots. *Solar Energy Materials and Solar Cells*, **2014**, 128, 254-259	6.4	27
170	Recent advances in tin dioxide materials: some developments in thin films, nanowires, and nanorods. *Chemical Reviews*, **2014**, 114, 7442-86	68.1	128
169	Fractal Germanium Patterns: Annealing Strategies and Perspectives of Metal-Induced Crystallization. *Critical Reviews in Solid State and Materials Sciences*, **2014**, 39, 368-390	10.1	0
168	Rapid thermoplastic formation of Fe-based metallic glass foil achieved by electropulsing. *Materials Letters*, **2014**, 136, 353-355	3.3	9
167	Characterization strategies for Mn2O3 nanomaterials. *Journal of Nanoscience and Nanotechnology*, **2014**, 14, 1693-709	1.3	5
166	Advances in fractal germanium micro/nanoclusters induced by gold: microstructures and properties. *Journal of Nanoscience and Nanotechnology*, **2014**, 14, 1318-37	1.3	2

165	Significantly enhanced magnetic properties of a powder of amorphous Fe70MnxMo3Cr4-6W8-10Si4-5B3-5 particles achieved by annealing treatments below the crystallization temperature. *Journal of Applied Physics*, **2014**, 115, 233912	2.5	1
164	Recent research situation in tin dioxide nanomaterials: synthesis, microstructures, and properties. *Frontiers of Materials Science*, **2013**, 7, 203-226	2.5	11
163	The oxidation behavior of Cu42Zr42Al8Ag8 bulk metallic glasses. *Journal of Materials Science*, **2013**, 48, 1141-1146	4.3	13
162	Corrosion of Glassy (Ni8Nb5)99.5Sb0.5 Alloy and Stability of Passive Film. *Rare Metal Materials and Engineering*, **2013**, 42, 447-451		6
161	Assembling tin dioxide quantum dots to graphene nanosheets by a facile ultrasonic route. *Langmuir* , **2013**, 29, 4111-8	4	47
160	Magnetic behavior of Gd4Co3 metallic glass. *Journal of Magnetism and Magnetic Materials*, **2013**, 326, 157-161	2.8	12
159	Formation and Third-Order Optical Nonlinearities of Fractal Ge Nanocrystals Embedded in Au Matrix. *Journal of Physical Chemistry C*, **2013**, 117, 8903-8908	3.8	2
158	Effects of electropulsing treatment on mechanical properties in Ti rich TiNi shape memory alloy. *Materials Science and Technology*, **2013**, 29, 1135-1138	1.5	10
157	Correlation between structures and properties in (Zr65Cu15Ni10Al10)90Nb10 alloys. *Journal of Materials Research*, **2013**, 28, 1218-1223	2.5	1
156	Theoretical study of fluorescence resonant energy transfer dynamics in individual semiconductor nanocrystal□DNA□ye conjugates. *Journal of Luminescence*, **2012**, 132, 1472-1476	3.8	4
155	Recent advances in manganese oxide nanocrystals: fabrication, characterization, and microstructure. *Chemical Reviews*, **2012**, 112, 3833-55	68.1	188
154	Morphologies and Nonlinear Optical Properties of Fractal Ge Nanocrystals Embedded in Pd Matrix. *Journal of Physical Chemistry C*, **2012**, 116, 21012-21017	3.8	4
153	D-Band Micromachined Silicon Rectangular Waveguide Filter. *IEEE Microwave and Wireless Components Letters*, **2012**, 22, 230-232	2.6	34
152	Mechanism of electropulsing induced recrystallization in a cold-rolled Mg□Al□Zn alloy. *Journal of Alloys and Compounds*, **2012**, 536, 94-105	5.7	50
151	Microstructure evolution and advanced performance of Mn3O4 nanomorphologies. *Nanoscale*, **2012**, 4, 2590-6	7.7	39
150	Oxidation behavior of Zr56Co28Al16 bulk metallic glasses. *Corrosion Science*, **2012**, 65, 528-534	6.8	9
149	Al-induced crystallization of amorphous Ge and formation of fractal Ge micro-/nanoclusters. *Inorganic Chemistry*, **2012**, 51, 8473-8	5.1	21
148	Steady-state property and dynamics in graphene-nanoribbon-array lasers. *Frontiers of Physics*, **2012**, 7, 527-532	3.7	2

147	G-band rectangular waveguide filter fabricated using deep reactive ion etching and bonding processes. *Micro and Nano Letters*, **2012**, 7, 1237-1240	0.9	11
146	Vertical-external-cavity surface-emitting lasers and quantum dot lasers. *Frontiers of Optoelectronics* , **2012**, 5, 157-170	2.8	7
145	Shear dependent nonlinear vibration in a high quality factor single crystal silicon micromechanical resonator. *Applied Physics Letters*, **2012**, 101, 034102	3.4	6
144	Preparation methodologies and nano/microstructural evaluation of metal/semiconductor thin films. *Journal of Nanoscience and Nanotechnology*, **2012**, 12, 26-59	1.3	4
143	Stainless Steels: An Introduction and Their Recent Developments **2012**,		5
142	Electron-Beam Irradiation Strategies for Growth Behavior of Tin Dioxide Nanocrystals. *Journal of Physical Chemistry C*, **2011**, 115, 20523-20528	3.8	9
141	Microstructure and texture evolution of the cold-rolled AZ91 magnesium alloy strip under electropulsing treatment. *Journal of Alloys and Compounds*, **2011**, 509, 4308-4313	5.7	54
140	Silver mushroom induced by oxidation in Cu42Zr42Al8Ag8 metallic glasses. *Journal of Alloys and Compounds*, **2011**, 509, S219-S222	5.7	9
139	Effect of Electropulsing on Recrystallization and Mechanical Properties of Silicon Steel Strips. *Journal of Materials Science and Technology*, **2011**, 27, 1034-1038	9.1	18
138	Dependence of electrical properties on thermal temperature in nanocrystalline SnO2 thin films. *Journal of Nanoscience and Nanotechnology*, **2011**, 11, 10659-63	1.3	1
137	Electropulsing-induced G-texture evolution in a deformed Fe□%Si alloy strip. *Journal of Materials Research*, **2011**, 26, 917-922	2.5	17
136	Temperature-induced assembly of semiconductor nanocrystals into fractal architectures and thermoelectric power properties in Au/Ge bilayer films. *Chaos, Solitons and Fractals*, **2011**, 44, 640-646	9.3	2
135	Microstructural evolution of oxides and semiconductor thin films. *Progress in Materials Science*, **2011**, 56, 901-1029	42.2	56
134	Electropulsing Induced Texture Evolution in the Recrystallization of Fe-3 Pct Si Alloy Strip. *Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science*, **2011**, 42, 3484-3490	2.3	31
133	Polycondensation-type Ge nanofractal assembly. *Materials Today*, **2011**, 14, 106-113	21.8	9
132	Controllable Growth and Unexpected Effects of Ge Nanocrystals. *Journal of Physical Chemistry C*, **2011**, 115, 9871-9878	3.8	7
131	Probing into interesting effects of fractal Ge nanoclusters induced by Pd nanoparticles. *Inorganic Chemistry*, **2011**, 50, 6756-61	5.1	8
130	Influence of electropulsing treatment on microstructure and mechanical properties of cold-rolled Mg□Al□Zn alloy strip. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2011**, 528, 5627-5635	5.3	39

129	Design of soft magnetic CoSiB metallic glass with low Co contents. *Journal of Applied Physics*, **2011**, 110, 083919	2.5	9
128	Microstructural and photoluminescence properties of tin dioxide modified by electron beam irradiation. *Journal of Nanoscience and Nanotechnology*, **2011**, 11, 9709-13	1.3	2
127	Insight on fractal assessment strategies for tin dioxide thin films. *ACS Nano*, **2010**, 4, 1202-8	16.7	53
126	Relaxation behavior on high frequency profile in strong/fragile metallic glass-forming systems. *Journal of Non-Crystalline Solids*, **2010**, 356, 1198-1200	3.9	13
125	Formation and mechanical properties of minor-Sb alloyed Ni8Nb5 bulk metallic glasses. *Journal of Alloys and Compounds*, **2010**, 491, 513-516	5.7	5
124	TEM study of the cooling rate dependent crystallization behavior of (Zr65Al10Ni10Cu15)98Nb2 metallic glass. *Journal of Alloys and Compounds*, **2010**, 504, S234-S238	5.7	4
123	Effect of Electropulsing on Recrystallization of Fe-3%Si Alloy Strip. *Materials Transactions*, **2010**, 51, 1390-1394	1.3	16
122	Response to Comment on Mechanical heterogeneity and mechanism of plasticity in metallic glasses [Appl. Phys. Lett. 96, 026101 (2010)]. *Applied Physics Letters*, **2010**, 96, 026102	3.4	1
121	Thermal, magnetic and composition analyses of the reverse transformation of intermetallic sigma phase to ferrite. *Journal of Materials Science*, **2010**, 45, 1790-1795	4.3	2
120	Response to Comment on Facile strategy and mechanism for orthorhombic SnO2 thin films [Appl. Phys. Lett. 94, 186103 (2009)]. *Applied Physics Letters*, **2009**, 94, 186104	3.4	
119	Enhancing plasticity of Zr46.75Ti8.25Cu7.5Ni10Be27.5 bulk metallic glass by precompression. *Applied Physics Letters*, **2009**, 95, 071906	3.4	20
118	Mechanical heterogeneity and mechanism of plasticity in metallic glasses. *Applied Physics Letters*, **2009**, 94, 031904	3.4	41
117	Improved ductility of aged Mg-9Al-1Zn alloy strip by electropulsing treatment. *Journal of Materials Research*, **2009**, 24, 1810-1814	2.5	28
116	Bulk-quantity synthesis and electrical properties of SnO2 nanowires prepared by pulsed delivery. *Materials Chemistry and Physics*, **2009**, 115, 660-663	4.4	8
115	Statistic Analysis of the Mechanical Behavior of Bulk Metallic Glasses. *Advanced Engineering Materials*, **2009**, 11, 370-373	3.5	21
114	On the thermodynamics and kinetics of electropulsing induced dissolution of Mg17Al12 phase in an aged Mg9Al1Zn alloy. *Acta Materialia*, **2009**, 57, 4797-4808	8.4	136
113	Effect of electropulsing treatment on microstructure and tensile fracture behavior of aged Mg9Al1Zn alloy strip. *Applied Physics A: Materials Science and Processing*, **2009**, 97, 607-615	2.6	35
112	Effect of Nb addition on the subsurface deformation behavior in Cu47Ti34Zr11Ni8 bulk metallic glasses through Vickers indentation. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2009**, 520, 11-15	5.3	1

111	Recent developments in stainless steels. *Materials Science and Engineering Reports*, **2009**, 65, 39-104	30.9	1253
110	Compressive and tensile properties of CuZrAl alloy plates containing martensitic phases. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2009**, 517, 375-380	5.3	12
109	Exploring the microstructural and electrical properties of SnO2 nanorods prepared by a widely applicable route. *Acta Materialia*, **2009**, 57, 4632-4637	8.4	9
108	Defect evolution of nanocrystalline SnO2 thin films induced by pulsed delivery during in situ annealing. *Acta Materialia*, **2009**, 57, 5078-5082	8.4	9
107	Insights into effects of annealing on microstructure from SnO2 thin films prepared by pulsed delivery. *Journal of Non-Crystalline Solids*, **2009**, 355, 2647-2652	3.9	3
106	Corrosion and oxidation properties of the refractory (Ni8Nb5)99.8Sb0.2bulk metallic glass. *Journal of Physics: Conference Series*, **2009**, 144, 012052	0.3	1
105	Abrasive and corrosive behaviors of Cu-Zr-Al-Ag-Nb bulk metallic glasses. *Journal of Physics: Conference Series*, **2009**, 144, 012034	0.3	1
104	Improved plasticity by electropulsing in a Zr62Al19Ni19bulk metallic glass. *Journal of Physics: Conference Series*, **2009**, 144, 012053	0.3	2
103	□phase dissolution in duplex stainless steel at elevated temperature studied by thermal analysis. *Materials Letters*, **2008**, 62, 3991-3994	3.3	14
102	Pulsed Laser Ablation for Tin Dioxide: Nucleation, Growth, and Microstructures. *Critical Reviews in Solid State and Materials Sciences*, **2008**, 33, 197-209	10.1	17
101	Effect of electropulsing treatment on solid solution behavior of an aged Mg alloy AZ61 strip. *Journal of Materials Research*, **2008**, 23, 2685-2691	2.5	55
100	Stress-induced martensitic transformations in CuZrAl bulk metallic glass forming alloys. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2008**, 479, 31-36	5.3	18
99	Sm-based Sm-Al-Ni ternary bulk metallic glasses. *Journal of Materials Research*, **2007**, 22, 573-577	2.5	20
98	Magnetic and transformation behaviour of duplex stainless steels under non-isothermal conditions and temperature-fluctuation monitoring. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2007**, 452-453, 149-160	5.3	16
97	Corrosion behavior of a glassy Ti□rHf□uNiSi alloy. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2007**, 449-451, 557-560	5.3	12
96	Effects of pre-treatment on the ac magnetic susceptibility and ageing behaviour of duplex stainless steels. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2007**, 452-453, 78-86	5.3	15
95	Measurements of slow □relaxations in metallic glasses and supercooled liquids. *Physical Review B*, **2007**, 75,	3.3	122
94	Structural characterization and mechanical properties of nanocrystal-containing Cu□i-based bulk metallic glass-forming alloys. *Journal of Materials Research*, **2007**, 22, 352-357	2.5	3

93	Influence of Silicon Additions on the Microstructure and Mechanical Properties of Cu47Ti34Zr11Ni8 Bulk Metallic Glass Forming Alloys. *Materials Transactions*, **2007**, 48, 1350-1354	1.3	4
92	Improved oxidation resistance of Cu60Zr30Ti10 BMG with plasma immersion ion implantation. *Journal of Non-Crystalline Solids*, **2007**, 353, 3590-3595	3.9	4
91	Corrosion behavior and glass-forming ability of Cu□Zr□Al□Nb alloys. *Journal of Non-Crystalline Solids* , **2007**, 353, 3596-3599	3.9	33
90	Thermal and mechanical properties of Cu□Zr□Al bulk metallic glasses. *Journal of Alloys and Compounds*, **2007**, 434-435, 71-74	5.7	70
89	The best glass-forming compositions in Al□Co(or Ni)□Y ternary systems. *Journal of Alloys and Compounds*, **2007**, 434-435, 167-170	5.7	5
88	Formation and corrosion behavior of glassy Ni□Nb□Ti□Zr□Co□(□Cu) alloys. *Journal of Alloys and Compounds*, **2007**, 434-435, 240-243	5.7	19
87	Formation, thermal stability and corrosion behavior of glassy Ti45Zr5Cu45Ni5 alloy. *Intermetallics*, **2007**, 15, 683-686	3.5	14
86	Effects of niobium on thermal stability and corrosion behavior of glassy Cu□Zr□Al□Nb alloys. *Journal of Physics and Chemistry of Solids*, **2006**, 67, 762-766	3.9	15
85	Shape-controlled synthesis and nanostructure evolution of single-crystal Mn3O4 nanocrystals. *Scripta Materialia*, **2006**, 55, 735-738	5.6	47
84	Crystallization and corrosion resistance of Cu50Zr45Al5 bulk amorphous alloy. *Materials Chemistry and Physics*, **2006**, 100, 34-37	4.4	17
83	Microstructural changes and fractal Ge nanocrystallites in polycrystalline Au/amorphous Ge thin bilayer films upon annealing. *Journal Physics D: Applied Physics*, **2006**, 39, 4544-4548	3	17
82	Evolution of electronic structure and spectral evaluation in single-crystal Mn3O4 nanorods. *Journal of Chemical Physics*, **2006**, 124, 184707	3.9	13
81	Observation of secondary relaxation in a fragile Pd40Ni10Cu30P20 bulk metallic glass. *Applied Physics Letters*, **2006**, 89, 071920	3.4	32
80	Quantum dot formation and dynamic scaling behavior of SnO2 nanocrystals induced by pulsed delivery. *Applied Physics Letters*, **2006**, 88, 033115	3.4	18
79	Oxidation-induced copper segregation in Cu60Zr30Ti10 bulk metallic glass. *Journal of Materials Research*, **2006**, 21, 851-855	2.5	12
78	Facile strategy and mechanism for orthorhombic SnO2 thin films. *Applied Physics Letters*, **2006**, 89, 231902	3.4	34
77	Corrosion behavior of glassy Ni55Co5Nb20Ti10Zr10 alloy in 1N HCl solution studied by potentiostatic polarization and XPS. *Corrosion Science*, **2006**, 48, 625-633	6.8	22
76	Influence of grain size on the vibrational properties in Mn2O3 nanocrystals. *Journal of Non-Crystalline Solids*, **2006**, 352, 3285-3289	3.9	35

75	Mystery of porous SnO2 thin film formation by pulsed delivery. *Chemical Physics Letters*, **2006**, 422, 1-5	2.5	15
74	Formation, thermal stability and deformation behavior of graphite-flakes reinforced Cu-based bulk metallic glass matrix composites. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2006**, 435-436, 132-138	5.3	21
73	Effect of Nb content on the microstructure and mechanical properties of ZrCuNiAlNb glass forming alloys. *Journal of Alloys and Compounds*, **2005**, 403, 239-244	5.7	30
72	Bulk-quantity SnO2 nanorods synthesized from simple calcining process based on annealing precursor powders. *Journal of Non-Crystalline Solids*, **2005**, 351, 3619-3623	3.9	7
71	Plasticity-improved ZrCuAl bulk metallic glass matrix composites containing martensite phase. *Applied Physics Letters*, **2005**, 87, 051905	3.4	88
70	Nanocrystals formation and fractal microstructural assessment in Au/Ge bilayer films upon annealing. *Applied Surface Science*, **2005**, 250, 3-8	6.7	14
69	High-resolution transmission electron microscopy investigation of nanostructures in SnO2 thin films prepared by pulsed laser deposition. *Journal of Solid State Chemistry*, **2005**, 178, 892-896	3.3	18
68	Magnetic and ageing behaviour of 7MoPLUS and the viability of monitoring ferrite decomposition using AC magnetic susceptibility. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2005**, 406, 110-118	5.3	8
67	Brittleness of Zr-based bulk metallic glass matrix composites containing ductile dendritic phase. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing* , **2005**, 406, 57-62	5.3	16
66	Multifractal spectra of scanning electron microscope images of SnO2 thin films prepared by pulsed laser deposition. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **2005**, 345, 218-223	2.3	40
65	Nucleation mechanism and microstructural assessment of SnO2 nanowires prepared by pulsed laser deposition. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **2005**, 345, 391-397	2.3	16
64	Effect of quasicrystalline phase on the deformation behavior of Zr62Al9.5Ni9.5Cu14Nb5 bulk metallic glass. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2005**, 398, 22-27	5.3	12
63	Surface modification of polymeric materials by plasma immersion ion implantation. *Nuclear Instruments & Methods in Physics Research B*, **2005**, 237, 417-421	1.2	46
62	Effects of pretreatment by ion implantation and interlayer on adhesion between aluminum substrate and TiN film. *Thin Solid Films*, **2005**, 493, 152-159	2.2	25
61	Production of amorphous tin oxide thin films and microstructural transformation induced by heat treatment. *Applied Physics A: Materials Science and Processing*, **2005**, 81, 1073-1076	2.6	18
60	An analysis of the grain growth kinetics in Mn2O3 nanocrystals. *Applied Physics A: Materials Science and Processing*, **2005**, 80, 703-707	2.6	17
59	Nucleation and growth of SnO2 nanocrystallites prepared by pulsed laser deposition. *Applied Physics A: Materials Science and Processing*, **2005**, 81, 959-962	2.6	27
58	Insights into microstructural evolution and polycrystalline compounds formation from PdGe thin films. *Physica B: Condensed Matter*, **2005**, 358, 56-62	2.8	4

57	Nucleation site and mechanism leading to growth of bulk-quantity Mn3O4 nanorods. *Applied Physics Letters*, **2005**, 86, 181911	3.4	33
56	Oxidation behavior of Cu60Zr30Ti10 bulk metallic glass. *Journal of Materials Research*, **2005**, 20, 1396-1403	2.5	28
55	Enhanced Plasticity of Zr-based Bulk Metallic Glass Matrix Composite with Ductile Reinforcement. *Journal of Materials Research*, **2005**, 20, 2386-2390	2.5	16
54	Effects of alloying on oxidation of Cu-based bulk metallic glasses. *Journal of Materials Research*, **2005**, 20, 2647-2653	2.5	9
53	Interdiffusion assessment of nanoparticles in fat fractal patterns. *Journal Physics D: Applied Physics*, **2004**, 37, 2726-2729	3	8
52	Insights into microstructural evolution from nanocrystalline SnO2 thin films prepared by pulsed laser deposition. *Physical Review B*, **2004**, 70,	3.3	111
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50	Reply to the Comments on "Synthesis and Structural Characterization of Rutile SnO2 Nanocrystals" by Z. Chen, J.K.L. Lai, C.H. Shek, and H. Chen [J. Mater. Res. 18, 1289 (2003)]. *Journal of Materials Research*, **2004**, 19, 1293-1293	2.5	1
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