Gregory B Thompson

List of Publications by Year
in descending order

166 papers	3,590 citations	172457 29 h-index	175258 52 g-index
170 all docs	170 docs citations	170 times ranked	3341 citing authors

#	Article	IF	Citations
1	Revealing in-plane grain boundary composition features through machine learning from atom probe tomography data. Acta Materialia, 2022, 226, 117633.	7.9	9
2	Direct Observation of PFIB-Induced Clustering in Precipitation-Strengthened Al Alloys by Atom Probe Tomography. Microscopy and Microanalysis, 2022, , 1-6.	0.4	2
3	Revisting Lennard Jones, Morse, and N-M potentials for metals. Computational Materials Science, 2022, 205, 111206.	3.0	10
4	Phase evolution and magnetic properties of a Co-rich multi-component magnetic nanocomposite film. Journal of Alloys and Compounds, 2022, 903, 163782.	5.5	1
5	Conformal coating of powders by magnetron sputtering. Surface and Coatings Technology, 2022, 436, 128242.	4.8	7
6	Core shell coatings for nuclear thermal propulsion cermets. Surface and Coatings Technology, 2022, 444, 128661.	4.8	3
7	Influence of H-phase precipitation on the microstructure and functional and mechanical properties in a Ni-rich NiTiZr shape memory alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2021, 801, 140401.	5.6	16
8	Improved computational method to generate properly equilibrated atomistic microstructures. MethodsX, 2021, 8, 101217.	1.6	5
9	A rapid preparation method for in situ nanomechanical TEM tensile specimens. Journal of Materials Research, 2021, 36, 2315-2324.	2.6	5
10	The hidden structure dependence of the chemical life of dislocations. Science Advances, 2021, 7, .	10.3	24
11	Manipulation of solute partitioning mechanisms for nanocrystalline stability. Acta Materialia, 2021, 208, 116662.	7.9	13
12	Influence of surface temperature in the laser assisted cold spray deposition of sequential oxide dispersion strengthened layers: Microstructure and hardness. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2021, 811, 141027.	5.6	15
13	The microstructural and stress evolution in sputter deposited Ni thin films. Surface and Coatings Technology, 2021, 412, 126973.	4.8	14
14	Carbide Nanoparticle Dispersion Techniques for Metal Powder Metallurgy. Metals, 2021, 11, 871.	2.3	4
15	Spinodal Decomposition in Nanocrystalline Alloys. Acta Materialia, 2021, 215, 117054.	7.9	29
16	Vacancy-cluster and off-lattice metal-atom diffusion mechanisms in transition metal carbides. Computational Materials Science, 2021, 199, 110713.	3.0	3
17	Cermet surrogate nuclear fuels from coated powders. Journal of Nuclear Materials, 2021, 557, 153246.	2.7	11
18	Long-range hydrogen-binding effects of carbide interfaces in iron. Physical Review Materials, 2021, 5, .	2.4	1

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19	Solute distributions in tantalumâ€containing zirconium diboride ceramics. Journal of the American Ceramic Society, 2020, 103, 2880-2890.	3.8	6
20	A diffusion approach for plasma synthesis of superhard tantalum borides. Journal of Materials Research, 2020, 35, 481-490.	2.6	3
21	Microstructure Development in Additive Friction Stir-Deposited Cu. Metals, 2020, 10, 1538.	2.3	33
22	Residual Stress Generation in Laser-Assisted Cold Spray Deposition of Oxide Dispersion Strengthened Fe91Ni8Zr1. Journal of Thermal Spray Technology, 2020, 29, 1550-1563.	3.1	5
23	Laser assisted cold spray of AISI 4340 steel. Surface and Coatings Technology, 2020, 400, 126218.	4.8	20
24	In situ indentation and high cycle tapping deformation responses in a nanolaminate crystalline/amorphous metal composite. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2020, 798, 140074.	5.6	5
25	The influence of alloying in stabilizing a faceted grain boundary structure. Acta Materialia, 2020, 201, 329-340.	7.9	12
26	On the mechanistic origins of maximum strength in nanocrystalline metals. Npj Computational Materials, 2020, 6, .	8.7	28
27	A computational examination of the zeta and eta phases in the hafnium nitrides. Journal of the American Ceramic Society, 2020, 103, 7202-7212.	3.8	2
28	Complications of using thin film geometries for nanocrystalline thermal stability investigations. Journal of Materials Research, 2020, 35, 2087-2097.	2.6	0
29	Influence and comparison of contaminate partitioning on nanocrystalline stability in sputter-deposited and ball-milled Cuâ€“Zr alloys. Journal of Materials Science, 2020, 55, 16758-16779.	3.7	11
30	Laser shocking of nanocrystalline materials: Revealing the extreme pressure effects on the microstructural stability and deformation response. Applied Physics Letters, 2020, 116, .	3.3	9
31	Radiation tolerance and microstructural changes of nanocrystalline Cu-Ta alloy to high dose self-ion irradiation. Acta Materialia, 2020, 195, 621-630.	7.9	24
32	Stable microstructure in a nanocrystalline copperâ€“tantalum alloy during shock loading. Communications Materials, 2020, 1, .	6.9	3
33	Role of grain boundary character and its evolution on interfacial solute segregation behavior in nanocrystalline Ni-P. Acta Materialia, 2020, 190, 113-123.	7.9	40
34	Structural and mechanical characterization of carbon fibers grown by laser induced chemical vapor deposition at hyperbaric pressures. Carbon, 2020, 162, 95-105.	10.3	10
35	Grain-Size-Dependent Grain Boundary Deformation during Yielding in Nanocrystalline Materials Using Atomistic Simulations. Jom, 2020, 72, 1745-1754.	1.9	10
36	Hierarchical phase separation behavior in a Ni-Si-Fe alloy. Acta Materialia, 2020, 195, 327-340.	7.9	5

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37	Statistical study of vacancy diffusion in TiC and TaC. Physical Review Materials, 2020, 4, .	2.4	3
38	A computational search for the zeta phase in the tantalum carbides. Journal of the American Ceramic Society, 2019, 102, 1454-1462.	3.8	13
39	My Life as a Microscopist; Two Dual Beams and an Atom Probe. Microscopy and Microanalysis, 2019, 25, 2666-2667.	0.4	0
40	Carbon influence on fracture toughness of niobium carbides. Journal of the European Ceramic Society, 2019, 39, 5167-5173.	5.7	21
41	Mechanical properties of stabilized nanocrystalline FCC metals. Journal of Applied Physics, 2019, 126, .	2.5	11
42	Carbide and nitride phase characterization in a transition metal carbo-nitride using x-ray spectroscopy and atom probe tomography. Micron, 2019, 122, 32-40.	2.2	2
43	Charge-State Field Evaporation Behavior in Cu(V) Nanocrystalline Alloys. Microscopy and Microanalysis, 2019, 25, 501-510.	0.4	4
44	The Influence of Isoconcentration Surface Selection in Quantitative Outputs from Proximity Histograms. Microscopy and Microanalysis, 2019, 25, 401-409.	0.4	15
45	The influence of alloying interactions on thin film growth stresses. Applied Surface Science, 2019, 463, 545-555.	6.1	3
46	The influence of deposition parameters on the stress evolution of sputter deposited copper. Surface and Coatings Technology, 2019, 357, 939-946.	4.8	19
47	In situ TEM observations of initial oxidation behavior in Fe-rich Fe-Cr alloys. Surface and Coatings Technology, 2019, 357, 332-338.	4.8	7
48	A molecular dynamics study on stress generation during thin film growth. Applied Surface Science, 2019, 469, 537-552.	6.1	30
49	The crystal structure and phase stability of the zeta phase in the group VB transition metal carbides: a computational investigation. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2019, 75, 870-879.	1.1	6
50	Review Article: Stress in thin films and coatings: Current status, challenges, and prospects. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2018, 36, .	2.1	482
51	Extremely hard amorphous-crystalline hybrid steel surface produced by deformation induced cementite amorphization. Acta Materialia, 2018, 152, 107-118.	7.9	13
52	Microstructure and dynamic strain aging behavior in oxide dispersion strengthened 91Fe-8Ni-1Zr (at%) alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2018, 725, 503-509.	5.6	15
53	Influence of solute partitioning on the microstructure and growth stresses in nanocrystalline Fe(Cr) thin films. Thin Solid Films, 2018, 648, 83-93.	1.8	5
54	Evolution of in situ growth stresses and interfacial structure in phase changing Cu/V multilayered thin films. Acta Materialia, 2018, 148, 63-71.	7.9	7

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55	Solute stabilization of nanocrystalline tungsten against abnormal grain growth. Journal of Materials Research, 2018, 33, 68-80.	2.6	33
56	Phase, hardness, and deformation slip behavior in mixed HfxTa1-xC. Acta Materialia, 2018, 145, 142-153.	7.9	81
57	A computational investigation into the microstructures and stability of the zeta phase in transition metal carbides and nitrides. Advances in Applied Ceramics, 2018, 117, s26-s33.	1.1	7
58	Laser assisted cold spray of Feâ€“Niâ€“Zr oxide dispersion strengthened steel. Materialia, 2018, 3, 239-242.	2.7	16
59	Phase and microstructures in sputter deposited nanocrystalline Feâ€“Cr thin films. Materialia, 2018, 3, 295-303.	2.7	2
60	In situ Single/Cyclic Deformation and Correlated Precession Electron Diffraction Analysis of Nano-laminate Crystalline/Glassy Metal Composites. Microscopy and Microanalysis, 2018, 24, 1832-1833.	0.4	0
61	All group-IV SiGeSn/GeSn/SiGeSn QW laser on Si operating up to 90â€‰K. Applied Physics Letters, 2018, 113, .	3.3	44
62	Review of phase stability in the group IVB and VB transitionâ€metal carbides. Journal of the American Ceramic Society, 2018, 101, 4401-4424.	3.8	67
63	Phase stability and microstructural formations in the niobium carbides. Journal of the European Ceramic Society, 2018, 38, 4850-4866.	5.7	22
64	Tracing the three-dimensional nanochemistry of phase separation in an inverse Ni-based superalloy. Acta Materialia, 2018, 157, 326-338.	7.9	17
65	Ultra-high temperature deformation in TaC and HfC. Journal of the European Ceramic Society, 2018, 38, 5319-5332.	5.7	34
66	In-situ Indentation and Correlated Precession Electron Diffraction Analysis of a Polycrystalline Cu Thin Film. Jom, 2018, 70, 1081-1087.	1.9	6
67	Complex evaporation behavior of a transition metal carbo-nitride (Hf(C,N)) studied by atom probe tomography. Ultramicroscopy, 2018, 194, 154-166.	1.9	2
68	An atom probe study on Nb solute partitioning and nanocrystalline grain stabilization in mechanically alloyed Cu-Nb. Acta Materialia, 2017, 126, 564-575.	7.9	64
69	Understanding dislocation slip in stoichiometric rocksalt transition metal carbides and nitrides. Journal of Materials Science, 2017, 52, 6235-6248.	3.7	44
70	Deformation mode transitions in amorphous-Cu45Zr55/crystalline-Cu multilayers. Thin Solid Films, 2017, 626, 184-189.	1.8	21
71	Experimental investigation into the crack propagation in multiphase tantalum carbide ceramics. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2017, 695, 315-321.	5.6	17
72	Influence of phase stability on the in situ growth stresses in Cu/Nb multilayered films. Acta Materialia, 2017, 132, 149-161.	7.9	15

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73	Dual-Wavelength In Situ Pyrometry During Additive Formation of Fibers by Laser-Induced Deposition. Jom, 2017, 69, 2314-2319.	1.9	0
74	The role of chemistry and bonding in regulating fracture in multiphase transition metal carbides and nitrides. Extreme Mechanics Letters, 2017, 17, 1-6.	4.1	13
75	Ti segregation in regulating the stress and microstructure evolution in W-Ti nanocrystalline films. Journal of Applied Physics, 2017, 122, .	2.5	10
76	Linking Experimental Solute Segregation Specificity in Nanocrystalline Alloys to Computational Predictions. Microscopy and Microanalysis, 2017, 23, 704-705.	0.4	0
77	Ab initio investigations of the phase stability in group IVB and VB transition metal nitrides. Computational Materials Science, 2017, 138, 333-345.	3.0	33
78	Phase transformations and microstructural features in hafnium nitrides. Journal of the European Ceramic Society, 2017, 37, 4532-4538.	5.7	6
79	Field Evaporation Characteristics in Hafnium Carbides. Microscopy and Microanalysis, 2017, 23, 710-711.	0.4	0
80	Intrinsic stress response of low and high mobility solute additions to Cu thin films. Journal of Applied Physics, 2017, 122, .	2.5	9
81	Influence of Grain Boundary Character and Annealing Time on Segregation in Commercially Pure Nickel. Journal of Materials, 2016, 2016, 1-15.	0.1	3
82	Interrelationship of in situ growth stress evolution and phase transformations in Ti/W multilayered thin films. Journal of Applied Physics, 2016, 119, .	2.5	9
83	Influence of the Nb growth surface on the allotropic Ti phase transformation in Nb/Ti/Nb nanolaminates. Applied Physics Letters, 2016, 109, 111602.	3.3	2
84	Grain Boundary Specific Segregation in Nanocrystalline Fe(Cr). Scientific Reports, 2016, 6, 34642.	3.3	56
85	Influence of Fe underlayers on stress evolution of Ti in Ti/Fe multilayers. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2016, 34, .	2.1	5
86	Investigations into the slip behavior of zirconium diboride. Journal of Materials Research, 2016, 31, 2749-2756.	2.6	11
87	A model for understanding the formation energies of nanolamellar phases in transition metal carbides and nitrides. Modelling and Simulation in Materials Science and Engineering, 2016, 24, 055004.	2.0	18
88	An Examination of Abnormal Grain Growth in Low Strain Nickel-200. Metallography, Microstructure, and Analysis, 2016, 5, 302-312.	1.0	4
89	BCC stabilization and growth stress behavior in Ti/V multilayers. Thin Solid Films, 2016, 616, 555-561.	1.8	2
90	Plasticity mechanisms in HfN at elevated and room temperature. Scientific Reports, 2016, 6, 34571.	3.3	7

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91	Atom Probe Tomography Study of Multi-microalloyed Carbide and Carbo-Nitride Precipitates and the Precipitation Sequence in Nb-Ti HSLA Steels. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2016, 47, 1984-1995.	2.2	31
92	Influence of Ni Solute segregation on the intrinsic growth stresses in Cu(Ni) thin films. Scripta Materialia, 2016, 113, 131-134.	5.2	11
93	Influence of Fe(Cr) miscibility on thin film grain size and stress. Thin Solid Films, 2016, 612, 29-35.	1.8	16
94	Ab initio investigations of the phase stability in group IVB and VB transition metal carbides. Computational Materials Science, 2016, 112, 318-326.	3.0	77
95	Oxidation behavior of vacuum plasma-sprayed hafniumâ€“tantalum nitrides. Journal of Materials Research, 2015, 30, 2949-2957.	2.6	8
96	Influence of Dilute Hf Additions on Precipitation and Martensitic Transformation in Ni-Ti-Pd Alloys. Jom, 2015, 67, 2244-2250.	1.9	3
97	Creating Isoconcentration Surfaces in Low-Chemical-Partitioning, High Solute-Containing Alloys. Microscopy and Microanalysis, 2015, 21, 847-848.	0.4	0
98	Bonding Effects on the Slip Differences in the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>B</mml:mi><mml:mn>1</mml:mn></mml:math>Monocarbides. Physical Review Letters, 2015, 114, 165502.	7.8	59
99	Structureâ€“property relationships in a precipitation strengthened Niâ€“29.7Tiâ€“20Hf (at%) shape memory alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2015, 637, 63-69.	5.6	45
100	Structure and mechanical properties of Feâ€“Niâ€“Zr oxide-dispersion-strengthened (ODS) alloys. Journal of Nuclear Materials, 2015, 467, 205-213.	2.7	35
101	The compositional stability of the P-phase in Niâ€“Tiâ€“Pd shape memory alloys. Intermetallics, 2015, 67, 56-62.	3.9	8
102	A procedure to create isoconcentration surfaces in low-chemical-partitioning, high-solute alloys. Ultramicroscopy, 2015, 159, 346-353.	1.9	16
103	Role of atomic migration in nanocrystalline stability: Grain size and thin film stress states. Current Opinion in Solid State and Materials Science, 2015, 19, 138-146.	11.5	24
104	Influence of carbon vacancy formation on the elastic constants and hardening mechanisms in transition metal carbides. Journal of the European Ceramic Society, 2015, 35, 95-103.	5.7	134
105	Phase stability and in situ growth stresses in Ti/Nb thin films. Acta Materialia, 2014, 80, 490-497.	7.9	16
106	Comparison of atom probe compositional fidelity across thin film interfaces. Thin Solid Films, 2014, 551, 61-67.	1.8	11
107	Abnormalities associated with grain growth in solid solution Cu(Ni) thin films. Thin Solid Films, 2014, 558, 170-175.	1.8	10
108	Thin film underlayer effects on mass resolving power in laser-assisted atom probe tomography. Thin Solid Films, 2014, 551, 32-36.	1.8	3

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109	Orientation Mapping via Precession-Enhanced Electron Diffraction and Its Applications in Materials Science. Jom, 2014, 66, 165-170.	1.9	35
110	The role of copper twin boundaries in cryogenic indentation-induced grain growth. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2014, 592, 182-188.	5.6	24
111	Ab initio investigations of the phase stability in tantalum carbides. Acta Materialia, 2014, 80, 341-349.	7.9	72
112	Plasma-Induced Erosion on Ceramic Wall Structures in Hall-Effect Thrusters. Journal of Propulsion and Power, 2014, 30, 690-695.	2.2	23
113	Variations in Tantalum Carbide Microstructures with Changing Carbon Content. International Journal of Applied Ceramic Technology, 2013, 10, 540-551.	2.1	29
114	Effect of Aging on Microstructure and Shape Memory Properties of a Ni-48Ti-25Pd (At. Pct) Alloy. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2013, 44, 1388-1400.	2.2	19
115	Cryogenic indentation-induced grain growth in nanotwinned copper. Scripta Materialia, 2013, 68, 781-784.	5.2	30
116	A theoretical investigation of the slip systems of Ta2C. Acta Materialia, 2013, 61, 3914-3922.	7.9	26
117	Elevated-temperature deformation mechanisms in Ta2C: An experimental study. Acta Materialia, 2013, 61, 3905-3913.	7.9	30
118	Thermo-mechanical testing of tantalum carbides using a Lorentz-force, non-contact technique. Journal of the European Ceramic Society, 2013, 33, 1639-1646.	5.7	4
119	Influence of various underlayers on [001] texture and magnetic properties in FePt and FexNi1â^'xPt thin films. Thin Solid Films, 2013, 527, 278-284.	1.8	5
120	A comparison of grain boundary evolution during grain growth in fcc metals. Acta Materialia, 2013, 61, 3936-3944.	7.9	39
121	Influence of hafnium carbide on vacuum plasma spray processed tantalum carbide microstructures. Journal of the European Ceramic Society, 2013, 33, 1219-1224.	5.7	20
122	The Effect of Aluminum Additions on the Microstructure and Thermomechanical Behavior of NiTiZr Shape-Memory Alloys. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2012, 43, 2921-2931.	2.2	4
123	Microstructural formations and phase transformation pathways in hot isostatically pressed tantalum carbides. Acta Materialia, 2012, 60, 139-148.	7.9	50
124	Quantification of Oxide Inclusions and Porosity Structure in a Tantalum Carbide Microstructure Fabricated From Carbothermal Reduced Tantalum Oxide Precursor Powders. International Journal of Applied Ceramic Technology, 2012, 9, 431-440.	2.1	2
125	Nucleation and growth of Î±-Ti on TiB precipitates in Tiâ€“15Moâ€“2.6Nbâ€“3Alâ€“0.2Siâ€“0.12B. Philosophical Magazine, 2011, 91, 850-864.	1.6	29
126	Microstructural evolution of copper clad steel bimetallic wire. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2011, 528, 2974-2981.	5.6	23

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127	Field evaporation behavior in [0 0 1] FePt thin films. Ultramicroscopy, 2011, 111, 512-517.	1.9	13
128	The influence of voxel size on atom probe tomography data. Ultramicroscopy, 2011, 111, 464-468.	1.9	23
129	Comparison of Simulated and Experimental Order Parameters in FePtâ€"II. Microscopy and Microanalysis, 2011, 17, 403-409.	0.4	3
130	Quantification of Oxide Inclusions and Porosity Structure in a Tantalum Carbide Microstructure Fabricated From Carbothermal Reduced Tantalum Oxide Precursor Powders. International Journal of Applied Ceramic Technology, 2011, , n/a-n/a.	2.1	0
131	Composition distributions in FePt(Au) nanoparticles. Journal of Nanoparticle Research, 2010, 12, 2051-2056.	1.9	4
132	FePt L10 ordering and grain growth using millisecond pulse laser processing. Journal of Magnetism and Magnetic Materials, 2010, 322, 3828-3833.	2.3	6
133	Influence of underlayers on the c-axis distribution in Co80Pt20 thin films. Thin Solid Films, 2010, 518, 4970-4976.	1.8	5
134	In situ growth stresses during the phase separation of immiscible FeCu thin films. Applied Surface Science, 2010, 257, 1500-1505.	6.1	5
135	Time-temperature-transformation measurements of FePt thin films in the millisecond regime using pulse laser processing. Journal of Applied Physics, 2010, 108, .	2.5	10
136	In SituThin Film Growth Stresses during Chemical Ordering. Physical Review Letters, 2010, 105, 096101.	7.8	20
137	Compositional dependent thin film stress states. Journal of Applied Physics, 2010, 108, .	2.5	15
138	Ta clustering and microstructural evolution in the A1 to L10Fe52PtX(Ta1âˆ'X) phase transformation. Journal of Applied Physics, 2010, 108, 104910.	2.5	0
139	The FePt L1 phase transformation in thin films using multiple laser pulsing. Journal of Applied Physics, 2010, 107, .	2.5	8
140	L10 ordering of FePt thin films using sub-10 ms laser pulses. Journal of Applied Physics, 2009, 105, 07B715.	2.5	5
141	Grain boundary enrichment in the FePt polymorphic A1 to L10 phase transformation. Ultramicroscopy, 2009, 109, 606-611.	1.9	21
142	Complementary techniques for the characterization of thin film Ti/Nb multilayers. Ultramicroscopy, 2009, 109, 1276-1281.	1.9	13
143	Effect of Heating Rate on Recrystallization of Twin Roll Cast Aluminum. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2008, 39, 165-170.	2.2	19
144	Tailoring nucleation and growth conditions for narrow compositional distributions in colloidal synthesized FePt nanoparticles. Journal of Applied Physics, 2008, 104, 104314.	2.5	11

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145	Compositional evolution during the synthesis of FePt nanoparticles. Journal of Applied Physics, 2008, 104, .	2.5	11
146	Formation of FePt nanoparticles by organometallic synthesis. Journal of Applied Physics, 2007, 101, 104313.	2.5	22
147	Formation mechanism and composition distribution of FePt nanoparticles. Journal of Applied Physics, 2007, 102, 104310.	2.5	25
148	Atomic-Scale Segregation and Fluctuations in Chemical Ordering FePt Thin Films. Materials Research Society Symposia Proceedings, 2007, 1032, 1.	0.1	0
149	Compositional Evolution of FePt Nanoparticles Prepared by Different Organometallic Synthesis Routes. Materials Research Society Symposia Proceedings, 2007, 1032, 1.	0.1	0
150	Synthesis and Activation of PtRu Alloyed Nanoparticles with Controlled Size and Composition. Chemistry of Materials, 2006, 18, 4946-4951.	6.7	62
151	Grain Size Refinement in Cu bottom lead in CPP GMR Stack. Materials Research Society Symposia Proceedings, 2006, 961, 1.	0.1	0
152	Strategies for fabricating atom probe specimens with a dual beam FIB. Ultramicroscopy, 2005, 102, 287-298.	1.9	297
153	Effect of metal additives on L10 ordering of chemically synthesized FePt nanoparticles. Scripta Materialia, 2005, 53, 411-416.	5.2	46
154	Predicting pseudomorphic phases in multilayers: Hexagonal-closed-packed Nb in Nb/Zr. Applied Physics Letters, 2004, 84, 1082-1084.	3.3	13
155	A Comparison of Pseudomorphic Bcc Phase Stability in Zr/Nb and Ti/Nb Thin Film Multilayers. Journal of Materials Research, 2004, 19, 707-715.	2.6	26
156	Crystal structure and compressibility of FePt nanoparticles under high pressures and high temperatures. High Pressure Research, 2004, 24, 357-364.	1.2	1
157	Some aspects of atom probe specimen preparation and analysis of thin film materials. Ultramicroscopy, 2004, 100, 25-34.	1.9	87
158	Phase stability of bcc Zr in Nb/Zr thin film multilayers. Acta Materialia, 2003, 51, 5285-5294.	7.9	54
159	A Thermodynamic Approach in Tuning Phase Stability in Nanocomposite Multilayers. Materials Research Society Symposia Proceedings, 2003, 788, 3401.	0.1	0
160	Tuning phase stability in nanocomposite multilayers. Applied Physics Letters, 2003, 83, 3471-3473.	3.3	9
161	Processing and microstructural characterization of sputter-deposited Ni/Ni3Al multilayered thin films. Journal of Materials Research, 2003, 18, 979-987.	2.6	11
162	Specimen Dependent Milling Directions for Correct Phase Identification in Multilayerd Thin Films. Microscopy and Microanalysis, 2003, 9, 370-371.	0.4	3

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163	Understanding Phase Stability in Multilayers by Atom Probe Analysis. Microscopy and Microanalysis, 2003, 9, 50-51.	0.4	0
164	Phase Stability Diagrams for Nanostructured Thin Film Multilayers. Microscopy and Microanalysis, 2003, 9, 292-293.	0.4	0
165	Chemical ordering and texture in Niâ€“25 at% Al thin films. Acta Materialia, 2002, 50, 643-651.	7.9	29
166	Processing, Microstructure, and Fracture Behavior of Nickel/ Nickel Aluminide Multilayered Thin Films. Materials Research Society Symposia Proceedings, 1999, 594, 19.	0.1	0