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	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
2	Strategies for fabricating atom probe specimens with a dual beam FIB. Ultramicroscopy, 2005, 102, 287-298.	1.9	297
3	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
4	Some aspects of atom probe specimen preparation and analysis of thin film materials. Ultramicroscopy, 2004, 100, 25-34.	1.9	87
5	Phase, hardness, and deformation slip behavior in mixed HfxTa1-xC. Acta Materialia, 2018, 145, 142-153.	7.9	81
6	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
7	Ab initio investigations of the phase stability in tantalum carbides. Acta Materialia, 2014, 80, 341-349.	7.9	72
8	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
9	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
10	Synthesis and Activation of PtRu Alloyed Nanoparticles with Controlled Size and Composition. Chemistry of Materials, 2006, 18, 4946-4951.	6.7	62
11	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
12	Grain Boundary Specific Segregation in Nanocrystalline Fe(Cr). Scientific Reports, 2016, 6, 34642.	3.3	56
13	Phase stability of bcc Zr in Nb/Zr thin film multilayers. Acta Materialia, 2003, 51, 5285-5294.	7.9	54
14	Microstructural formations and phase transformation pathways in hot isostatically pressed tantalum carbides. Acta Materialia, 2012, 60, 139-148.	7.9	50
15	Effect of metal additives on L10 ordering of chemically synthesized FePt nanoparticles. Scripta Materialia, 2005, 53, 411-416.	5.2	46
16	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
17	Understanding dislocation slip in stoichiometric rocksalt transition metal carbides and nitrides. Journal of Materials Science, 2017, 52, 6235-6248.	3.7	44
18	All group-IV SiGeSn/GeSn/SiGeSn QW laser on Si operating up to 90â€‰K. Applied Physics Letters, 2018, 113, .	3.3	44

#	Article	IF	Citations
19	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
20	A comparison of grain boundary evolution during grain growth in fcc metals. Acta Materialia, 2013, 61, 3936-3944.	7.9	39
21	Orientation Mapping via Precession-Enhanced Electron Diffraction and Its Applications in Materials Science. Jom, 2014, 66, 165-170.	1.9	35
22	Structure and mechanical properties of Feâ€“Niâ€“Zr oxide-dispersion-strengthened (ODS) alloys. Journal of Nuclear Materials, 2015, 467, 205-213.	2.7	35
23	Ultra-high temperature deformation in TaC and HfC. Journal of the European Ceramic Society, 2018, 38, 5319-5332.	5.7	34
24	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
25	Solute stabilization of nanocrystalline tungsten against abnormal grain growth. Journal of Materials Research, 2018, 33, 68-80.	2.6	33
26	Microstructure Development in Additive Friction Stir-Deposited Cu. Metals, 2020, 10, 1538.	2.3	33
27	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
28	Cryogenic indentation-induced grain growth in nanotwinned copper. Scripta Materialia, 2013, 68, 781-784.	5.2	30
29	Elevated-temperature deformation mechanisms in Ta2C: An experimental study. Acta Materialia, 2013, 61, 3905-3913.	7.9	30
30	A molecular dynamics study on stress generation during thin film growth. Applied Surface Science, 2019, 469, 537-552.	6.1	30
31	Chemical ordering and texture in Niâ€“25 at% Al thin films. Acta Materialia, 2002, 50, 643-651.	7.9	29
32	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
33	Variations in Tantalum Carbide Microstructures with Changing Carbon Content. International Journal of Applied Ceramic Technology, 2013, 10, 540-551.	2.1	29
34	Spinodal Decomposition in Nanocrystalline Alloys. Acta Materialia, 2021, 215, 117054.	7.9	29
35	On the mechanistic origins of maximum strength in nanocrystalline metals. Npj Computational Materials, 2020, 6, .	8.7	28
36	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

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37	A theoretical investigation of the slip systems of Ta2C. Acta Materialia, 2013, 61, 3914-3922.	7.9	26
38	Formation mechanism and composition distribution of FePt nanoparticles. Journal of Applied Physics, 2007, 102, 104310.	2.5	25
39	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
40	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
41	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
42	The hidden structure dependence of the chemical life of dislocations. Science Advances, 2021, 7, .	10.3	24
43	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
44	The influence of voxel size on atom probe tomography data. Ultramicroscopy, 2011, 111, 464-468.	1.9	23
45	Plasma-Induced Erosion on Ceramic Wall Structures in Hall-Effect Thrusters. Journal of Propulsion and Power, 2014, 30, 690-695.	2.2	23
46	Formation of FePt nanoparticles by organometallic synthesis. Journal of Applied Physics, 2007, 101, 104313.	2.5	22
47	Phase stability and microstructural formations in the niobium carbides. Journal of the European Ceramic Society, 2018, 38, 4850-4866.	5.7	22
48	Grain boundary enrichment in the FePt polymorphic A1 to L10 phase transformation. Ultramicroscopy, 2009, 109, 606-611.	1.9	21
49	Deformation mode transitions in amorphous-Cu45Zr55/crystalline-Cu multilayers. Thin Solid Films, 2017, 626, 184-189.	1.8	21
50	Carbon influence on fracture toughness of niobium carbides. Journal of the European Ceramic Society, 2019, 39, 5167-5173.	5.7	21
51	In SituThin Film Growth Stresses during Chemical Ordering. Physical Review Letters, 2010, 105, 096101.	7.8	20
52	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
53	Laser assisted cold spray of AISI 4340 steel. Surface and Coatings Technology, 2020, 400, 126218.	4.8	20
54	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

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55	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
56	The influence of deposition parameters on the stress evolution of sputter deposited copper. Surface and Coatings Technology, 2019, 357, 939-946.	4.8	19
57	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
58	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
59	Tracing the three-dimensional nanochemistry of phase separation in an inverse Ni-based superalloy. Acta Materialia, 2018, 157, 326-338.	7.9	17
60	Phase stability and in situ growth stresses in Ti/Nb thin films. Acta Materialia, 2014, 80, 490-497.	7.9	16
61	A procedure to create isoconcentration surfaces in low-chemical-partitioning, high-solute alloys. Ultramicroscopy, 2015, 159, 346-353.	1.9	16
62	Influence of Fe(Cr) miscibility on thin film grain size and stress. Thin Solid Films, 2016, 612, 29-35.	1.8	16
63	Laser assisted cold spray of Feâ€“Niâ€“Zr oxide dispersion strengthened steel. Materialia, 2018, 3, 239-242.	2.7	16
64	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
65	Compositional dependent thin film stress states. Journal of Applied Physics, 2010, 108, .	2.5	15
66	Influence of phase stability on the in situ growth stresses in Cu/Nb multilayered films. Acta Materialia, 2017, 132, 149-161.	7.9	15
67	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
68	The Influence of Isoconcentration Surface Selection in Quantitative Outputs from Proximity Histograms. Microscopy and Microanalysis, 2019, 25, 401-409.	0.4	15
69	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
70	The microstructural and stress evolution in sputter deposited Ni thin films. Surface and Coatings Technology, 2021, 412, 126973.	4.8	14
71	Predicting pseudomorphic phases in multilayers: Hexagonal-closed-packed Nb in Nb/Zr. Applied Physics Letters, 2004, 84, 1082-1084.	3.3	13
72	Complementary techniques for the characterization of thin film Ti/Nb multilayers. Ultramicroscopy, 2009, 109, 1276-1281.	1.9	13

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73	Field evaporation behavior in [0 0 1] FePt thin films. Ultramicroscopy, 2011, 111, 512-517.	1.9	13
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	Extremely hard amorphous-crystalline hybrid steel surface produced by deformation induced cementite amorphization. Acta Materialia, 2018, 152, 107-118.	7.9	13
76	A computational search for the zeta phase in the tantalum carbides. Journal of the American Ceramic Society, 2019, 102, 1454-1462.	3.8	13
77	Manipulation of solute partitioning mechanisms for nanocrystalline stability. Acta Materialia, 2021, 208, 116662.	7.9	13
78	The influence of alloying in stabilizing a faceted grain boundary structure. Acta Materialia, 2020, 201, 329-340.	7.9	12
79	Processing and microstructural characterization of sputter-deposited Ni/Ni3Al multilayered thin films. Journal of Materials Research, 2003, 18, 979-987.	2.6	11
80	Tailoring nucleation and growth conditions for narrow compositional distributions in colloidal synthesized FePt nanoparticles. Journal of Applied Physics, 2008, 104, 104314.	2.5	11
81	Compositional evolution during the synthesis of FePt nanoparticles. Journal of Applied Physics, 2008, 104, .	2.5	11
82	Comparison of atom probe compositional fidelity across thin film interfaces. Thin Solid Films, 2014, 551, 61-67.	1.8	11
83	Investigations into the slip behavior of zirconium diboride. Journal of Materials Research, 2016, 31, 2749-2756.	2.6	11
84	Influence of Ni Solute segregation on the intrinsic growth stresses in Cu(Ni) thin films. Scripta Materialia, 2016, 113, 131-134.	5.2	11
85	Mechanical properties of stabilized nanocrystalline FCC metals. Journal of Applied Physics, 2019, 126, .	2.5	11
86	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
87	Cermet surrogate nuclear fuels from coated powders. Journal of Nuclear Materials, 2021, 557, 153246.	2.7	11
88	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
89	Abnormalities associated with grain growth in solid solution Cu(Ni) thin films. Thin Solid Films, 2014, 558, 170-175.	1.8	10
90	Ti segregation in regulating the stress and microstructure evolution in W-Ti nanocrystalline films. Journal of Applied Physics, 2017, 122, .	2.5	10

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91	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
92	Grain-Size-Dependent Grain Boundary Deformation during Yielding in Nanocrystalline Materials Using Atomistic Simulations. Jom, 2020, 72, 1745-1754.	1.9	10
93	Revisting Lennard Jones, Morse, and N-M potentials for metals. Computational Materials Science, 2022, 205, 111206.	3.0	10
94	Tuning phase stability in nanocomposite multilayers. Applied Physics Letters, 2003, 83, 3471-3473.	3.3	9
95	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
96	Intrinsic stress response of low and high mobility solute additions to Cu thin films. Journal of Applied Physics, 2017, 122, .	2.5	9
97	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
98	Revealing in-plane grain boundary composition features through machine learning from atom probe tomography data. Acta Materialia, 2022, 226, 117633.	7.9	9
99	The FePt L1 phase transformation in thin films using multiple laser pulsing. Journal of Applied Physics, 2010, 107, .	2.5	8
100	Oxidation behavior of vacuum plasma-sprayed hafniumâ€“tantalum nitrides. Journal of Materials Research, 2015, 30, 2949-2957.	2.6	8
101	The compositional stability of the P-phase in Niâ€“Tiâ€“Pd shape memory alloys. Intermetallics, 2015, 67, 56-62.	3.9	8
102	Plasticity mechanisms in HfN at elevated and room temperature. Scientific Reports, 2016, 6, 34571.	3.3	7
103	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
104	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
105	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
106	Conformal coating of powders by magnetron sputtering. Surface and Coatings Technology, 2022, 436, 128242.	4.8	7
107	FePt L10 ordering and grain growth using millisecond pulse laser processing. Journal of Magnetism and Magnetic Materials, 2010, 322, 3828-3833.	2.3	6
108	Phase transformations and microstructural features in hafnium nitrides. Journal of the European Ceramic Society, 2017, 37, 4532-4538.	5.7	6

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109	In-situ Indentation and Correlated Precession Electron Diffraction Analysis of a Polycrystalline Cu Thin Film. Jom, 2018, 70, 1081-1087.	1.9	6
110	Solute distributions in tantalumâ€containing zirconium diboride ceramics. Journal of the American Ceramic Society, 2020, 103, 2880-2890.	3.8	6
111	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
112	L10 ordering of FePt thin films using sub-10 ms laser pulses. Journal of Applied Physics, 2009, 105, 07B715.	2.5	5
113	Influence of underlayers on the c-axis distribution in Co80Pt20 thin films. Thin Solid Films, 2010, 518, 4970-4976.	1.8	5
114	In situ growth stresses during the phase separation of immiscible FeCu thin films. Applied Surface Science, 2010, 257, 1500-1505.	6.1	5
115	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
116	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
117	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
118	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
119	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
120	Improved computational method to generate properly equilibrated atomistic microstructures. MethodsX, 2021, 8, 101217.	1.6	5
121	A rapid preparation method for in situ nanomechanical TEM tensile specimens. Journal of Materials Research, 2021, 36, 2315-2324.	2.6	5
122	Hierarchical phase separation behavior in a Ni-Si-Fe alloy. Acta Materialia, 2020, 195, 327-340.	7.9	5
123	Composition distributions in FePt(Au) nanoparticles. Journal of Nanoparticle Research, 2010, 12, 2051-2056.	1.9	4
124	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
125	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
126	An Examination of Abnormal Grain Growth in Low Strain Nickel-200. Metallography, Microstructure, and Analysis, 2016, 5, 302-312.	1.0	4

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127	Charge-State Field Evaporation Behavior in Cu(V) Nanocrystalline Alloys. Microscopy and Microanalysis, 2019, 25, 501-510.	0.4	4
128	Carbide Nanoparticle Dispersion Techniques for Metal Powder Metallurgy. Metals, 2021, 11, 871.	2.3	4
129	Specimen Dependent Milling Directions for Correct Phase Identification in Multilayerd Thin Films. Microscopy and Microanalysis, 2003, 9, 370-371.	0.4	3
130	Comparison of Simulated and Experimental Order Parameters in FePtâ€”II. Microscopy and Microanalysis, 2011, 17, 403-409.	0.4	3
131	Thin film underlayer effects on mass resolving power in laser-assisted atom probe tomography. Thin Solid Films, 2014, 551, 32-36.	1.8	3
132	Influence of Dilute Hf Additions on Precipitation and Martensitic Transformation in Ni-Ti-Pd Alloys. Jom, 2015, 67, 2244-2250.	1.9	3
133	Influence of Grain Boundary Character and Annealing Time on Segregation in Commercially Pure Nickel. Journal of Materials, 2016, 2016, 1-15.	0.1	3
134	The influence of alloying interactions on thin film growth stresses. Applied Surface Science, 2019, 463, 545-555.	6.1	3
135	A diffusion approach for plasma synthesis of superhard tantalum borides. Journal of Materials Research, 2020, 35, 481-490.	2.6	3
136	Stable microstructure in a nanocrystalline copperâ€“tantalum alloy during shock loading. Communications Materials, 2020, 1, .	6.9	3
137	Vacancy-cluster and off-lattice metal-atom diffusion mechanisms in transition metal carbides. Computational Materials Science, 2021, 199, 110713.	3.0	3
138	Statistical study of vacancy diffusion in TiC and TaC. Physical Review Materials, 2020, 4, .	2.4	3
139	Core shell coatings for nuclear thermal propulsion cermets. Surface and Coatings Technology, 2022, 444, 128661.	4.8	3
140	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
141	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
142	BCC stabilization and growth stress behavior in Ti/V multilayers. Thin Solid Films, 2016, 616, 555-561.	1.8	2
143	Phase and microstructures in sputter deposited nanocrystalline Feâ€“Cr thin films. Materialia, 2018, 3, 295-303.	2.7	2
144	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

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145	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
146	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
147	Direct Observation of PFIB-Induced Clustering in Precipitation-Strengthened Al Alloys by Atom Probe Tomography. Microscopy and Microanalysis, 2022, , 1-6.	0.4	2
148	Crystal structure and compressibility of FePt nanoparticles under high pressures and high temperatures. High Pressure Research, 2004, 24, 357-364.	1.2	1
149	Long-range hydrogen-binding effects of carbide interfaces in iron. Physical Review Materials, 2021, 5, .	2.4	1
150	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
151	Processing, Microstructure, and Fracture Behavior of Nickel/ Nickel Aluminide Multilayered Thin Films. Materials Research Society Symposia Proceedings, 1999, 594, 19.	0.1	0
152	A Thermodynamic Approach in Tuning Phase Stability in Nanocomposite Multilayers. Materials Research Society Symposia Proceedings, 2003, 788, 3401.	0.1	0
153	Understanding Phase Stability in Multilayers by Atom Probe Analysis. Microscopy and Microanalysis, 2003, 9, 50-51.	0.4	0
154	Phase Stability Diagrams for Nanostructured Thin Film Multilayers. Microscopy and Microanalysis, 2003, 9, 292-293.	0.4	0
155	Grain Size Refinement in Cu bottom lead in CPP GMR Stack. Materials Research Society Symposia Proceedings, 2006, 961, 1.	0.1	0
156	Atomic-Scale Segregation and Fluctuations in Chemical Ordering FePt Thin Films. Materials Research Society Symposia Proceedings, 2007, 1032, 1.	0.1	0
157	Compositional Evolution of FePt Nanoparticles Prepared by Different Organometallic Synthesis Routes. Materials Research Society Symposia Proceedings, 2007, 1032, 1.	0.1	0
158	Ta clustering and microstructural evolution in the A1 to L10Fe52PtX(Ta1â^'X) phase transformation. Journal of Applied Physics, 2010, 108, 104910.	2.5	0
159	Creating Isoconcentration Surfaces in Low-Chemical-Partitioning, High Solute-Containing Alloys. Microscopy and Microanalysis, 2015, 21, 847-848.	0.4	0
160	Dual-Wavelength In Situ Pyrometry During Additive Formation of Fibers by Laser-Induced Deposition. Jom, 2017, 69, 2314-2319.	1.9	0
161	Linking Experimental Solute Segregation Specificity in Nanocrystalline Alloys to Computational Predictions. Microscopy and Microanalysis, 2017, 23, 704-705.	0.4	0
162	Field Evaporation Characteristics in Hafnium Carbides. Microscopy and Microanalysis, 2017, 23, 710-711.	0.4	0

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163	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
164	My Life as a Microscopist; Two Dual Beams and an Atom Probe. Microscopy and Microanalysis, 2019, 25, 2666-2667.	0.4	0
165	Complications of using thin film geometries for nanocrystalline thermal stability investigations. Journal of Materials Research, 2020, 35, 2087-2097.	2.6	0
166	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