Daniel Kiener

List of Publications by Year
in descending order

153 papers	6,791 citations	61984 43 h-index	66911 78 g-index
157 all docs	157 docs citations	157 times ranked	4689 citing authors

#	Article	IF	Citations
1	A further step towards an understanding of size-dependent crystal plasticity: In situ tension experiments of miniaturized single-crystal copper samples. Acta Materialia, 2008, 56, 580-592.	7.9	441
2	In situ observation of dislocation nucleation andÂescape in a submicrometre aluminium singleÂcrystal. Nature Materials, 2009, 8, 95-100.	27.5	400
3	FIB damage of Cu and possible consequences for miniaturized mechanical tests. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2007, 459, 262-272.	5.6	386
4	In situ nanocompression testing of irradiatedÂcopper. Nature Materials, 2011, 10, 608-613.	27.5	268
5	Source Truncation and Exhaustion: Insights from Quantitative in situ TEM Tensile Testing. Nano Letters, 2011, 11, 3816-3820.	9.1	207
6	Micro-compression testing: A critical discussion of experimental constraints. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2009, 505, 79-87.	5.6	192
7	Determination of Mechanical Properties of Copper at the Micron Scale. Advanced Engineering Materials, 2006, 8, 1119-1125.	3.5	191
8	Issues to consider using nano indentation on shallow ion beam irradiated materials. Journal of Nuclear Materials, 2012, 425, 136-139.	2.7	176
9	Synthesis and Biological Evaluation of a Bioresponsive and Endosomolytic siRNAâ^'Polymer Conjugate. Molecular Pharmaceutics, 2009, 6, 752-762.	4.6	166
10	Fracture toughness investigations of tungsten alloys and SPD tungsten alloys. Journal of Nuclear Materials, 2007, 367-370, 800-805.	2.7	158
11	Source-controlled yield and hardening of Cu(100) studied by in situ transmission electron microscopy. Acta Materialia, 2011, 59, 1328-1337.	7.9	158
12	Decomposition pathways in age hardening of Ti-Al-N films. Journal of Applied Physics, 2011, 110, .	2.5	152
13	Reversible cyclic deformation mechanism of gold nanowires by twinningâ€“detwinning transition evidenced from in situ TEM. Nature Communications, 2014, 5, 3033.	12.8	137
14	In situ TEM straining of single crystal Au films on polyimide: Change of deformation mechanisms at the nanoscale. Acta Materialia, 2007, 55, 5558-5571.	7.9	116
15	Bioinspired nacre-like alumina with a bulk-metallic glass-forming alloy as a compliant phase. Nature Communications, 2019, 10, 961.	12.8	106
16	Achieving the ideal strength in annealed molybdenum nanopillars. Acta Materialia, 2010, 58, 5160-5167.	7.9	101
17	An exploratory study to determine applicability of nano-hardness and micro-compression measurements for yield stress estimation. Journal of Nuclear Materials, 2008, 375, 135-143.	2.7	96
18	Cyclic response of copper single crystal micro-beams. Scripta Materialia, 2010, 63, 500-503.	5.2	93

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19	The use of femtosecond laser ablation as a novel tool for rapid micro-mechanical sample preparation. Materials and Design, 2017, 121, 109-118.	7.0	92
20	In-situ TEM observation of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:mrow><mml:mo>{</mml:mo><mml:mn>10</mml:mn><mml:mrow><mml:mover accent="true"><mml:mn>1</mml:mn><mml:mo>Â¯</mml:mo></mml:mover></mml:mrow><mml:mn>2</mml:mn><mml:mo>}</mml:m twin-dominated deformation of Mg pillars: Twinning mechanism, size effects and rate dependency. Acta Materialia, 2018, 158, 407-421.	7.9	92
21	Microstructural evolution of the deformed volume beneath microindents in tungsten and copper. Acta Materialia, 2006, 54, 2801-2811.	7.9	87
22	Work hardening in micropillar compression: In situ experiments and modeling. Acta Materialia, 2011, 59, 3825-3840.	7.9	86
23	Fracture mechanics of micro samples: Fundamental considerations. Materials and Design, 2018, 159, 252-267.	7.0	82
24	Application of small-scale testing for investigation of ion-beam-irradiated materials. Journal of Materials Research, 2012, 27, 2724-2736.	2.6	80
25	Small scale mechanical testing of irradiated materials. Journal of Materials Research, 2015, 30, 1231-1245.	2.6	78
26	Crystal rotation in Cu single crystal micropillars: In situ Laue and electron backscatter diffraction. Applied Physics Letters, 2008, 92, .	3.3	77
27	On the importance of sample compliance in uniaxial microtesting. Scripta Materialia, 2009, 60, 148-151.	5.2	75
28	FIB-induced dislocations in Al submicron pillars: Annihilation by thermal annealing and effects on deformation behavior. Acta Materialia, 2016, 110, 283-294.	7.9	66
29	Influence of bulk pre-straining on the size effect in nickel compression pillars. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2013, 559, 147-158.	5.6	59
30	Overview on established and novel FIB based miniaturized mechanical testing using in-situ SEM. International Journal of Materials Research, 2009, 100, 1074-1087.	0.3	57
31	High resolution determination of local residual stress gradients in single- and multilayer thin film systems. Acta Materialia, 2016, 103, 616-623.	7.9	55
32	X-ray nanodiffraction reveals stress distribution across an indented multilayered CrNâ€“Cr thin film. Acta Materialia, 2015, 85, 24-31.	7.9	53
33	Critical assessment of the determination of residual stress profiles in thin films by means of the ion beam layer removal method. Thin Solid Films, 2014, 564, 321-330.	1.8	51
34	Influence of metastable retained austenite on macro and micromechanical properties of steel processed by the Q&P process. Journal of Alloys and Compounds, 2014, 615, S163-S168.	5.5	50
35	Thermally activated deformation processes in body-centered cubic Cr â€“ How microstructure influences strain-rate sensitivity. Scripta Materialia, 2015, 106, 42-45.	5.2	50
36	In-situ elastic-plastic fracture mechanics on the microscale by means of continuous dynamical testing. Materials and Design, 2018, 148, 177-187.	7.0	50

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37	Advanced nanomechanics in the TEM: effects of thermal annealing on FIB prepared Cu samples. Philosophical Magazine, 2012, 92, 3269-3289.	1.6	48
38	Dislocation-induced crystal rotations in micro-compressed single crystal copper columns. Journal of Materials Science, 2008, 43, 2503-2506.	3.7	47
39	Local and non-local behavior and coordinated buckling of CNT turfs. Carbon, 2011, 49, 1430-1438.	10.3	47
40	Internal and external stresses: In situ TEM compression of Cu bicrystals containing a twin boundary. Scripta Materialia, 2015, 100, 94-97.	5.2	45
41	Anneal hardening and elevated temperature strain rate sensitivity of nanostructured metals: Their relation to intergranular dislocation accommodation. Acta Materialia, 2019, 165, 409-419.	7.9	45
42	Dislocation storage in single slip-oriented Cu micro-tensile samples: new insights via X-ray microdiffraction. Philosophical Magazine, 2011, 91, 1256-1264.	1.6	43
43	Universally scaling Hall-Petch-like relationship in metallic glass matrix composites. International Journal of Plasticity, 2018, 105, 225-238.	8.8	43
44	Ductilisation of tungsten (W) through cold-rolling: R-curve behaviour. International Journal of Refractory Metals and Hard Materials, 2016, 58, 22-33.	3.8	40
45	Nanoindentation creep behavior of Cuâ€“Zr metallic glass films. Materials Research Letters, 2018, 6, 22-28.	8.7	40
46	Influence of Yttrium on the Thermal Stability of Ti-Al-N Thin Films. Materials, 2010, 3, 1573-1592.	2.9	38
47	Essential refinements of spherical nanoindentation protocols for the reliable determination of mechanical flow curves. Materials and Design, 2018, 146, 69-80.	7.0	37
48	Rate limiting deformation mechanisms of bcc metals in confined volumes. Acta Materialia, 2019, 166, 687-701.	7.9	37
49	Thermally activated deformation mechanisms and solid solution softening in W-Re alloys investigated via high temperature nanoindentation. Materials and Design, 2020, 189, 108499.	7.0	37
50	Nanoscale pore structure of Carboniferous coals from the Ukrainian Donets Basin: A combined HRTEM and gas sorption study. International Journal of Coal Geology, 2020, 224, 103484.	5.0	37
51	Towards predictive modeling of near-edge structures in electron energy-loss spectra of AlN-based ternary alloys. Physical Review B, 2011, 83, .	3.2	36
52	Fabrication and thermo-mechanical behavior of ultra-fine porous copper. Journal of Materials Science, 2015, 50, 634-643.	3.7	36
53	Peryleneâ€Labeled Silica Nanoparticles: Synthesis and Characterization of Three Novel Silica Nanoparticle Species for Liveâ€Cell Imaging. Small, 2010, 6, 2427-2435.	10.0	35
54	In Situ TEM Microcompression of Single and Bicrystalline Samples: Insights and Limitations. Jom, 2015, 67, 1704-1712.	1.9	35

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55	Cross-sectional structure-property relationship in a graded nanocrystalline Ti1âˆ’xAlxN thin film. Acta Materialia, 2016, 102, 212-219.	7.9	34
56	Fracture behavior and deformation mechanisms in nanolaminated crystalline/amorphous micro-cantilevers. Acta Materialia, 2019, 180, 73-83.	7.9	34
57	Interface dominated mechanical properties of ultra-fine grained and nanoporous Au at elevated temperatures. Acta Materialia, 2016, 121, 104-116.	7.9	32
58	Dominating deformation mechanisms in ultrafine-grained chromium across length scales and temperatures. Acta Materialia, 2017, 140, 176-187.	7.9	32
59	Interplay between sample size and grain size: Single crystalline vs. ultrafine-grained chromium micropillars. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2016, 674, 626-633.	5.6	31
60	Dynamic nanoindentation testing: is there an influence on a materialâ€™s hardness?. Materials Research Letters, 2017, 5, 486-493.	8.7	31
61	Incipient plasticity and surface damage in LiTaO3 and LiNbO3 single crystals. Materials and Design, 2018, 153, 221-231.	7.0	31
62	The effect of size on the strength of FCC metals at elevated temperatures: annealed copper. Philosophical Magazine, 2016, 96, 3379-3395.	1.6	28
63	Disordered interfaces enable high temperature thermal stability and strength in a nanocrystalline aluminum alloy. Acta Materialia, 2021, 215, 116973.	7.9	27
64	Influence of external and internal length scale on the flow stress of copper. International Journal of Materials Research, 2007, 98, 1047-1053.	0.3	26
65	Strength distribution and fracture analyses of LiNbO 3 and LiTaO 3 single crystals under biaxial loading. Journal of the European Ceramic Society, 2017, 37, 4397-4406.	5.7	26
66	Tailoring ultra-strong nanocrystalline tungsten nanofoams by reverse phase dissolution. Acta Materialia, 2020, 182, 215-225.	7.9	26
67	Effects of thermal annealing on the microstructure of sputtered Al2O3 coatings. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2011, 29, .	2.1	25
68	Elevated temperature mechanical properties of novel ultra-fine grained Cuâ€“Nb composites. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2015, 625, 296-302.	5.6	25
69	In-Situ Measurements of Free-Standing, Ultra-Thin Film Cracking in Bending. Experimental Mechanics, 2015, 55, 1681-1690.	2.0	25
70	Miniaturized fracture experiments to determine the toughness of individual films in a multilayer system. Extreme Mechanics Letters, 2016, 8, 235-244.	4.1	24
71	Microstructure and mechanical properties of CuxNb1âˆ’x alloys prepared by ball milling and high pressure torsion compacting. Journal of Alloys and Compounds, 2015, 630, 117-125.	5.5	23
72	In-situ observation of the initiation of plasticity by nucleation of prismatic dislocation loops. Nature Communications, 2020, 11, 2367.	12.8	23

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73	Time-dependent contact behavior between diamond and a CNT turf. Nanotechnology, 2011, 22, 295702.	2.6	22
74	Extraction of Flow Behavior and Hallâ€“Petch Parameters Using a Nanoindentation Multiple Sharp Tip Approach. Advanced Engineering Materials, 2017, 19, 1600669.	3.5	22
75	Sample Preparation by Metallography and Focused Ion Beam for Nanomechanical Testing. Praktische Metallographie/Practical Metallography, 2012, 49, 343-355.	0.3	22
76	Revealing deformation mechanisms with nanoindentation. Jom, 2009, 61, 14-23.	1.9	21
77	Deformation twinning in Niâ€“Mnâ€“Ga micropillars with 10M martensite. Journal of Applied Physics, 2009, 106, 53906.	2.5	20
78	Thermally Activated Deformation Behavior of ufg-Au: Environmental Issues During Long-Term and High-Temperature Nanoindentation Testing. Jom, 2015, 67, 2934-2944.	1.9	20
79	Advanced characterisation of thermo-mechanical fatigue mechanisms of different copper film systems for wafer metallizations. Thin Solid Films, 2016, 612, 153-164.	1.8	20
80	Intrinsic toughness of the bulk-metallic glass Vitreloy 105 measured using micro-cantilever beams. Acta Materialia, 2020, 183, 242-248.	7.9	20
81	Strength, Hardening, and Failure Observed by In Situ TEM Tensile Testing. Advanced Engineering Materials, 2012, 14, 960-967.	3.5	19
82	Development and application of a heated in-situ SEM micro-testing device. Measurement: Journal of the International Measurement Confederation, 2017, 110, 356-366.	5.0	19
83	Impact of interfaces on the radiation response and underlying defect recovery mechanisms in nanostructured Cu-Fe-Ag. Materials and Design, 2018, 160, 1148-1157.	7.0	19
84	Young's Modulus and Poisson's Ratio Characterization of Tungsten Thin Films Via Laser Ultrasound. Materials Today: Proceedings, 2015, 2, 4289-4294.	1.8	18
85	Correlation between fracture characteristics and valence electron concentration of sputtered Hf-C-N based thin films. Surface and Coatings Technology, 2020, 399, 126212.	4.8	18
86	An analytical solution for the correct determination of crack lengths via cantilever stiffness. Materials and Design, 2020, 194, 108914.	7.0	18
87	Can micro-compression testing provide stressâ€“strain data for thin films?. Thin Solid Films, 2009, 518, 1517-1521.	1.8	17
88	Atomistic origins of the differences in anisotropic fracture behaviour of LiTaO3 and LiNbO3 single crystals. Acta Materialia, 2018, 150, 373-380.	7.9	17
89	Crack arrest in thin metallic film stacks due to material- and residual stress inhomogeneities. Thin Solid Films, 2018, 668, 14-22.	1.8	16
90	The influence of microstructure on the cyclic deformation and damage of copper and an oxide dispersion strengthened steel studied via in-situ micro-beam bending. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2017, 687, 313-322.	5.6	15

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91	Fracture properties of ultrafine grain chromium correlated to single dislocation processes at room temperature. Journal of Materials Research, 2019, 34, 2370-2383.	2.6	14
92	Addressing Fracture Properties of Individual Constituents Within a Cu-WTi-SiOx-Si Multilayer. Jom, 2020, 72, 4551-4558.	1.9	14
93	Nanoindentation study of macerals in coals from the Ukrainian Donets Basin. Advances in Geosciences, 0, 45, 73-83.	12.0	14
94	An SEM compatible plasma cell for in situ studies of hydrogen-material interaction. Review of Scientific Instruments, 2020, 91, 043705.	1.3	13
95	In situ fracture observations of distinct interface types within a fully lamellar intermetallic TiAl alloy. Journal of Materials Research, 2021, 36, 2465-2478.	2.6	13
96	Initiation of fatigue damage in ultrafine grained metal films. Acta Materialia, 2021, 206, 116599.	7.9	13
97	In-situ TEM investigation of toughening in Silicon at small scales. Materials Today, 2021, 48, 29-37.	14.2	13
98	Accelerated thermo-mechanical fatigue of copper metallizations studied by pulsed laser heating. Microelectronic Engineering, 2017, 167, 110-118.	2.4	12
99	Open-cell tungsten nanofoams: Scaling behavior and structural disorder dependence of Youngâ€™s modulus and flow strength. Materials and Design, 2021, 197, 109187.	7.0	12
100	Novel Methods for the Site Specific Preparation of Micromechanical Structures. Praktische Metallographie/Practical Metallography, 2015, 52, 131-146.	0.3	12
101	Dislocation plasticity of Al film on polyimide investigated by cross-sectional in situ transmission electron microscopy straining. Scripta Materialia, 2011, 65, 456-459.	5.2	11
102	Achieving work hardening by forming boundaries on the nanoscale in a Ti-based metallic glass matrix composite. Journal of Materials Science and Technology, 2020, 50, 192-203.	10.7	11
103	The effect of grain size on bubble formation and evolution in helium-irradiated Cu-Fe-Ag. Materials Characterization, 2021, 171, 110822.	4.4	11
104	Strength ranking for interfaces between a TiN hard coating and microstructural constituents of high speed steel determined by micromechanical testing. Materials and Design, 2021, 204, 109690.	7.0	11
105	High-speed nanoindentation mapping of organic matter-rich rocks: A critical evaluation by correlative imaging and machine learning data analysis. International Journal of Coal Geology, 2021, 247, 103847.	5.0	11
106	Conventional TEM Investigation Of The FIB Damage In Copper. Microscopy and Microanalysis, 2007, 13, 100-101.	0.4	10
107	Selective interface toughness measurements of layered thin films. AIP Advances, 2017, 7, .	1.3	10
108	Constituent constraining effects on the microstructural evolution, ductility, and fracture mode of crystalline/amorphous nanolaminates. Journal of Alloys and Compounds, 2018, 768, 88-96.	5.5	10

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109	Probing defect relaxation in ultra-fine grained Ta using micromechanical spectroscopy. Acta Materialia, 2020, 185, 309-319.	7.9	10
110	Addressing H-Material Interaction in Fast Diffusion Materialsâ€"A Feasibility Study on a Complex Phase Steel. Materials, 2020, 13, 4677.	2.9	10
111	Experimental and Numerical Investigation of the Deformation and Fracture Mode of Microcantilever Beams Made of Cr(Re)/Al2O3 Metalâ€"Matrix Composite. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2020, 51, 2377-2390.	2.2	10
112	Multi-method characterization approach to facilitate a strategy to design mechanical and electrical properties of sintered copper. Materials and Design, 2021, 197, 109188.	7.0	10
113	Helium-induced swelling and mechanical property degradation in ultrafine-grained W and W-Cu nanocomposites for fusion applications. Scripta Materialia, 2022, 213, 114641.	5.2	10
114	Correlative microstructure and topography informed nanoindentation of copper films. Surface and Coatings Technology, 2016, 308, 404-413.	4.8	9
115	Understanding the effect of surface flaws on the strength distribution of brittle single crystals. Journal of the American Ceramic Society, 2018, 101, 5705-5716.	3.8	9
116	Ultrafine-grained Tungsten by High-Pressure Torsion â€" Bulk precursor versus powder processing route. IOP Conference Series: Materials Science and Engineering, 2019, 580, 012051.	0.6	9
117	How grain boundary characteristics influence plasticity close to and above the critical temperature of ultra-fine grained bcc Ta2.5W. Acta Materialia, 2021, 216, 117110.	7.9	9
118	Microstructural evolution of a focused ion beam fabricated Mg nanopillar at high temperatures: Defect annihilation and sublimation. Scripta Materialia, 2014, 86, 44-47.	5.2	7
119	Film thickness dependent microstructural changes of thick copper metallizations upon thermal fatigue. Journal of Materials Research, 2017, 32, 2022-2034.	2.6	7
120	Extracting flow curves from nano-sized metal layers in thin film systems. Scripta Materialia, 2017, 130, 143-147.	5.2	7
121	Extracting information from noisy data: strain mapping during dynamic in situ SEM experiments. Journal of Materials Research, 2021, 36, 2291-2304.	2.6	7
122	The influence of chemistry on the interface toughness in a WTi-Cu system. Acta Materialia, 2022, 230, 117813.	7.9	7
123	Tuning mechanical properties of ultrafine-grained tungsten by manipulating grain boundary chemistry. Acta Materialia, 2022, 232, 117939.	7.9	7
124	High Temperature Flow Behavior of Ultra-Strong Nanoporous Au assessed by Spherical Nanoindentation. Nanomaterials, 2018, 8, 366.	4.1	6
125	Prospects of Using Small Scale Testing to Examine Different Deformation Mechanisms in Nanoscale Single Crystalsâ€"A Case Study in Mg. Crystals, 2021, 11, 61.	2.2	6
126	How the interface type manipulates the thermomechanical response of nanostructured metals: A case study on nickel. Materialia, 2021, 15, 101020.	2.7	6

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127	Testing Thin Films by Microcompression: Benefits and Limits. BHM-Zeitschrift Fuer Rohstoffe Geotechnik Metallurgie Werkstoffe Maschinen-Und Anlagentechnik, 2008, 153, 257-262.	1.0	5
128	Yield and plastic flow of soft metals in small volumes loaded in tension and flexure. Philosophical Magazine, 2012, 92, 3199-3215.	1.6	5
129	Site Specific Microstructural Evolution of Thermo-mechanically Fatigued Copper Films. BHM-Zeitschrift Fuer Rohstoffe Geotechnik Metallurgie Werkstoffe Maschinen-Und Anlagentechnik, 2015, 160, 235-239.	1.0	5
130	Synthesis and Mechanical Characterisation of an Ultra-Fine Grained Ti-Mg Composite. Materials, 2016, 9, 688.	2.9	5
131	Substrate-Influenced Thermo-Mechanical Fatigue of Copper Metallizations: Limits of Stoneyâ€™s Equation. Materials, 2017, 10, 1287.	2.9	5
132	High-Temperature Nanoindentation of an Advanced Nano-Crystalline W/Cu Composite. Nanomaterials, 2021, 11, 2951.	4.1	5
133	Highâ€Throughput Micromechanical Testing Enabled by Optimized Direct Laser Writing. Advanced Engineering Materials, 2023, 25, .	3.5	5
134	In situ micromechanical analysis of a nano-crystalline W-Cu composite. Materials and Design, 2022, 220, 110848.	7.0	5
135	Open-cell tungsten nanofoams: Chloride ion induced structure modification and mechanical behavior. Results in Physics, 2020, 17, 103062.	4.1	4
136	Zr addition-dependent twin morphology evolution and strengthening response in nanostructured Al thin films. Materialia, 2021, 16, 101076.	2.7	4
137	Prospects of enhancing the understanding of material-hydrogen interaction by novel in-situ and in-operando methods. International Journal of Hydrogen Energy, 2022, 47, 10097-10111.	7.1	4
138	Controlling the high temperature deformation behavior and thermal stability of ultra-fine-grained W by re alloying. Journal of Materials Research, 2021, 36, 2408-2419.	2.6	3
139	A Perspective to Control Laser-Induced Periodic Surface Structure Formation at Glancing-Incident Femtosecond Laser-Processed Surfaces. Jom, 2021, 73, 4248-4257.	1.9	3
140	Extreme Ductility at the Nanoscale in Fe-based Alloys. Microscopy and Microanalysis, 2014, 20, 1876-1877.	0.4	2
141	Evaluation of the residual stress distribution in thin films by means of the ion beam layer removal method. , 2014, , .		2
142	Fracture mechanics of thin film systems on the sub-micron scale. , 2015, , .		2
143	Micro-Mechanical In Situ Measurements in Thin Film Systems Regarding the Determination of Residual Stress, Fracture Properties and Interface Toughness. Microscopy and Microanalysis, 2017, 23, 750-751.	0.4	2
144	Effect of crystal orientation on the hardness and strength of piezoelectric LiNbO3 substrates for microelectronic applications. Materials and Design, 2022, 213, 110306.	7.0	2

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145	Size-Induced Transition from Perfect to Partial Dislocation Plasticity in Single Crystal Au Films on Polyimide. Microscopy and Microanalysis, 2007, 13, 278-279.	0.4	1
146	In situ fracture observations of distinct interface types within a fully lamellar intermetallic TiAl alloy. Journal of Materials Research, 0, , 1-14.	2.6	1
147	Mitigating Focused Ion Beam Damage in Molybdenum Nanopillars by In Situ Annealing. Microscopy and Microanalysis, 2010, 16, 1748-1749.	0.4	0
148	Quantitative Approaches for in situ SEM and TEM Deformation Studies. Microscopy and Microanalysis, 2012, 18, 736-737.	0.4	0
149	Connecting in situ TEM mechanical testing with bulk properties of irradiated materials. Microscopy and Microanalysis, 2012, 18, 1344-1345.	0.4	0
150	Annealing Effects on the Structural Properties of FIB Prepared Cu Nanopillars - an in situ TEM study. Microscopy and Microanalysis, 2013, 19, 432-433.	0.4	0
151	Fracture and material behavior of thin film composites. , 2016, , .		0
152	Laser Ultrasonic Thin Film Characterization of Si-Cu-Al-Cu Multi-Layered Stacks. Materials Today: Proceedings, 2017, 4, 7122-7127.	1.8	0
153	Linking Macroscopic Fracture Properties to Single Dislocation Processes. Microscopy and Microanalysis, 2018, 24, 2184-2185.	0.4	0