

Jin Li

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

1,591
citations

304743

22
h-index

315739

38
g-index

50
all docs

50
docs citations

50
times ranked

1177
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of electric field on microstructure evolution and defect formation in flash-sintered TiO ₂ . Journal of the European Ceramic Society, 2022, 42, 6040-6047.	5.7	14
2	Ultra-high strength and plasticity mediated by partial dislocations and defect networks: Part II: Layer thickness effect. Acta Materialia, 2021, 204, 116494.	7.9	7
3	The influence of stacking faults on mechanical behavior of advanced materials. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2021, 803, 140696.	5.6	38
4	Thermal Stability of Nanocrystalline Gradient Inconel 718 Alloy. Crystals, 2021, 11, 53.	2.2	5
5	Characterization of precipitation in gradient Inconel 718 superalloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2021, 804, 140718.	5.6	30
6	Enhanced defect annihilation capability of the graphene/copper interface: An in situ study. Scripta Materialia, 2021, 203, 114001.	5.2	14
7	Recent Studies on the Fabrication of Multilayer Films by Magnetron Sputtering and Their Irradiation Behaviors. Coatings, 2021, 11, 1468.	2.6	5
8	Ultra-high strength and plasticity mediated by partial dislocations and defect networks: Part I: Texture effect. Acta Materialia, 2020, 185, 181-192.	7.9	24
9	Nanostructured Materials under Extreme Environments. Jom, 2020, 72, 3993-3994.	1.9	1
10	In-situ studies on the mechanical properties of He ion irradiated nanotwinned Ag. Journal of Nuclear Materials, 2020, 540, 152392.	2.7	14
11	Recent Studies on Void Shrinkage in Metallic Materials Subjected to In Situ Heavy Ion Irradiations. Jom, 2020, 72, 4008-4016.	1.9	8
12	Temperature effect on mechanical response of flash-sintered ZnO by in-situ compression tests. Acta Materialia, 2020, 200, 699-709.	7.9	21
13	Deformation behavior and phase transformation of nanotwinned Al/Ti multilayers. Applied Surface Science, 2020, 527, 146776.	6.1	25
14	He ion irradiation response of a gradient T91 steel. Acta Materialia, 2020, 196, 175-190.	7.9	33
15	Tailoring the thermal stability of nanocrystalline Ni alloy by thick grain boundaries. Scripta Materialia, 2020, 182, 21-26.	5.2	20
16	Extrinsic size dependent plastic deformability of ZnS micropillars. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2020, 792, 139706.	5.6	2
17	Microstructure and tensile behavior of nanostructured gradient TWIP steel. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2020, 785, 139346.	5.6	17
18	Helium irradiation induced ultra-high strength nanotwinned Cu with nanovoids. Acta Materialia, 2019, 177, 107-120.	7.9	38

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19	Dual Beam In Situ Radiation Studies of Nanocrystalline Cu. <i>Materials</i> , 2019, 12, 2721.	2.9	13
20	Nanoscale stacking fault-assisted room temperature plasticity in flash-sintered TiO ₂ . <i>Science Advances</i> , 2019, 5, eaaw5519.	10.3	82
21	9R phase enabled superior radiation stability of nanotwinned Cu alloys via in situ radiation at elevated temperature. <i>Acta Materialia</i> , 2019, 167, 248-256.	7.9	27
22	Size dependent strengthening in high strength nanotwinned Al/Ti multilayers. <i>Acta Materialia</i> , 2019, 175, 466-476.	7.9	56
23	Comparison of temperature dependent deformation mechanisms of 8YSZ thermal barrier coatings prepared by air-plasma-spray and D-gun thermal spray: An in situ study. <i>Journal of the European Ceramic Society</i> , 2019, 39, 3120-3128.	5.7	18
24	Response of solidification cellular structures in additively manufactured 316 stainless steel to heavy ion irradiation: an in situ study. <i>Materials Research Letters</i> , 2019, 7, 290-297.	8.7	26
25	Tailoring the strength and ductility of T91 steel by partial tempering treatment. <i>Acta Materialia</i> , 2019, 169, 209-224.	7.9	59
26	An in situ study on Kr ion-irradiated crystalline Cu/amorphous-CuNb nanolaminates. <i>Journal of Materials Research</i> , 2019, 34, 2218-2228.	2.6	14
27	Radiation induced nanovoid shrinkage in Cu at room temperature: An in situ study. <i>Scripta Materialia</i> , 2019, 166, 112-116.	5.2	11
28	Study of deformation mechanisms in flash-sintered yttria-stabilized zirconia by in-situ micromechanical testing at elevated temperatures. <i>Materials Research Letters</i> , 2019, 7, 194-202.	8.7	25
29	Thick grain boundary induced strengthening in nanocrystalline Ni alloy. <i>Nanoscale</i> , 2019, 11, 23449-23458.	5.6	34
30	In situ study on surface roughening in radiation-resistant Ag nanowires. <i>Nanotechnology</i> , 2018, 29, 215708.	2.6	14
31	Superior twin stability and radiation resistance of nanotwinned Ag solid solution alloy. <i>Acta Materialia</i> , 2018, 151, 395-405.	7.9	27
32	Mechanical behavior of structurally gradient nickel alloy. <i>Acta Materialia</i> , 2018, 149, 57-67.	7.9	70
33	Radiation damage in nanostructured materials. <i>Progress in Materials Science</i> , 2018, 96, 217-321.	32.8	307
34	In situ studies on irradiation resistance of nanoporous Au through temperature-jump tests. <i>Acta Materialia</i> , 2018, 143, 30-42.	7.9	27
35	In situ study on enhanced heavy ion irradiation tolerance of porous Mg. <i>Scripta Materialia</i> , 2018, 144, 13-17.	5.2	17
36	Ultra-strong nanotwinned Al-Ni solid solution alloys with significant plasticity. <i>Nanoscale</i> , 2018, 10, 22025-22034.	5.6	30

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37	Ultrastrong nanocrystalline steel with exceptional thermal stability and radiation tolerance. <i>Nature Communications</i> , 2018, 9, 5389.	12.8	88
38	A Review on the Radiation Response of Nanoporous Metallic Materials. <i>Jom</i> , 2018, 70, 2753-2764.	1.9	14
39	High temperature deformability of ductile flash-sintered ceramics via in-situ compression. <i>Nature Communications</i> , 2018, 9, 2063.	12.8	87
40	In-situ high temperature micromechanical testing of ultrafine grained yttria-stabilized zirconia processed by spark plasma sintering. <i>Acta Materialia</i> , 2018, 155, 128-137.	7.9	14
41	In Situ Studies on the Irradiation-Induced Twin Boundary-Defect Interactions in Cu. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2017, 48, 5172-5180.	2.2	21
42	Defect evolution in heavy ion irradiated nanotwinned Cu with nanovoids. <i>Journal of Nuclear Materials</i> , 2017, 496, 293-300.	2.7	12
43	Tailoring plasticity of metallic glasses via interfaces in Cu/amorphous CuNb laminates. <i>Journal of Materials Research</i> , 2017, 32, 2680-2689.	2.6	17
44	“Ductile” Fracture of Metallic Glass Nanolaminates. <i>Advanced Materials Interfaces</i> , 2017, 4, 1700510.	3.7	24
45	In Situ Studies on Twin-Thickness-Dependent Distribution of Defect Clusters in Heavy Ion-Irradiated Nanotwinned Ag. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2017, 48, 1466-1473.	2.2	17
46	In situ heavy ion irradiation studies of nanopore shrinkage and enhanced radiation tolerance of nanoporous Au. <i>Scientific Reports</i> , 2017, 7, 39484.	3.3	37
47	Comparison of size dependent strengthening mechanisms in Ag/Fe and Ag/Ni multilayers. <i>Acta Materialia</i> , 2016, 114, 154-163.	7.9	56
48	Frequency and Time Dependent Microwave Assisted Switching Behaviors of Co/Pt Nanodots. <i>Applied Physics Express</i> , 2012, 5, 043001.	2.4	15
49	Title is missing!. <i>Journal of Materials Science</i> , 1997, 32, 3463-3468.	3.7	10
50	Poly(N-phenyl-2-hydroxytrimethylene amine): Its blends with poly(ϵ -caprolactone) and water-soluble polyethers. <i>Journal of Polymer Science Part A</i> , 1997, 35, 211-218.	2.3	6