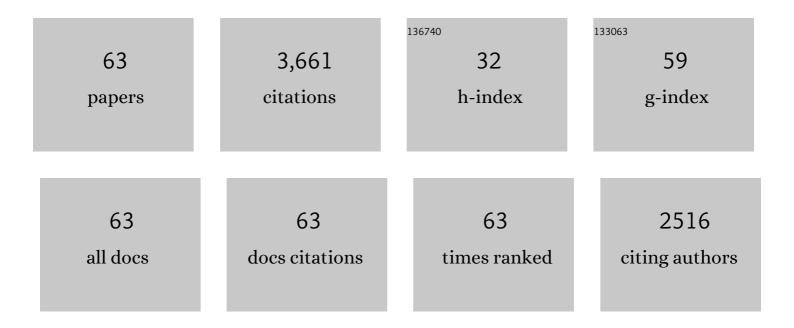
List of Publications by Year in descending order

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Χιανς μαι ΔΝ

#	Article	IF	CITATIONS
1	Hierarchical microstructure and strengthening mechanisms of a CoCrFeNiMn high entropy alloy additively manufactured by selective laser melting. Scripta Materialia, 2018, 154, 20-24.	2.6	412
2	Microstructural evolution and mechanical properties of Cu–Al alloys subjected to equal channel angular pressing. Acta Materialia, 2009, 57, 1586-1601.	3.8	328
3	Significance of stacking fault energy in bulk nanostructured materials: Insights from Cu and its binary alloys as model systems. Progress in Materials Science, 2019, 101, 1-45.	16.0	208
4	Simultaneously enhancing strength and ductility of a high-entropy alloy via gradient hierarchical microstructures. International Journal of Plasticity, 2019, 123, 178-195.	4.1	201
5	Cryogenic-deformation-induced phase transformation in an FeCoCrNi high-entropy alloy. Materials Research Letters, 2018, 6, 236-243.	4.1	164
6	Ultrahigh cryogenic strength and exceptional ductility in ultrafine-grained CoCrFeMnNi high-entropy alloy with fully recrystallized structure. Materials Today Nano, 2018, 4, 46-53.	2.3	136
7	Selective laser melting enabling the hierarchically heterogeneous microstructure and excellent mechanical properties in an interstitial solute strengthened high entropy alloy. Materials Research Letters, 2019, 7, 453-459.	4.1	129
8	Excellent ductility and serration feature of metastable CoCrFeNi high-entropy alloy at extremely low temperatures. Science China Materials, 2019, 62, 853-863.	3.5	129
9	Enhanced cyclic deformation responses of ultrafine-grained Cu and nanocrystalline Cu–Al alloys. Acta Materialia, 2014, 74, 200-214.	3.8	111
10	Concurrent microstructural evolution of ferrite and austenite in a duplex stainless steel processed by high-pressure torsion. Acta Materialia, 2014, 63, 16-29.	3.8	90
11	Deformation-induced crystalline-to-amorphous phase transformation in a CrMnFeCoNi high-entropy alloy. Science Advances, 2021, 7, .	4.7	89
12	Microstructure and mechanical properties of Cu and Cu–Zn alloys produced by equal channel angular pressing. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2011, 528, 4259-4267.	2.6	87
13	Influence of Al content on the strain-hardening behavior of aged low density Fe–Mn–Al–C steels with high Al content. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2015, 639, 187-191.	2.6	82
14	High strength and utilizable ductility of bulk ultrafine-grained Cu–Al alloys. Applied Physics Letters, 2008, 92, .	1.5	81
15	Exploring the fatigue strength improvement of Cu-Al alloys. Acta Materialia, 2018, 144, 613-626.	3.8	66
16	Influence of stacking-fault energy on the accommodation of severe shear strain in Cu-Al alloys during equal-channel angular pressing. Journal of Materials Research, 2009, 24, 3636-3646.	1.2	63
17	Effect of a High Density of Stacking Faults on the Young's Modulus of GaAs Nanowires. Nano Letters, 2016, 16, 1911-1916.	4.5	61
18	Microstructural evolution and phase transformation in twinning-induced plasticity steel induced by high-pressure torsion. Acta Materialia, 2016, 109, 300-313.	3.8	58

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19	Improved Fatigue Strengths of Nanocrystalline Cu and Cu–Al Alloys. Materials Research Letters, 2015, 3, 135-141.	4.1	57
20	Mechanical behaviors of nanowires. Applied Physics Reviews, 2017, 4, 031104.	5.5	54
21	In-situ high-resolution transmission electron microscopy investigation of grain boundary dislocation activities in a nanocrystalline CrMnFeCoNi high-entropy alloy. Journal of Alloys and Compounds, 2017, 709, 802-807.	2.8	53
22	Metallic nanocrystals with low angle grain boundary for controllable plastic reversibility. Nature Communications, 2020, 11, 3100.	5.8	53
23	Can experiment determine the stacking fault energy of metastable alloys?. Materials and Design, 2021, 199, 109396.	3.3	51
24	Microstructural evolution and shear fracture of Cu–16at.% Al alloy induced by equal channel angular pressing. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2010, 527, 4510-4514.	2.6	49
25	In situ atomistic observation of grain boundary migration subjected to defect interaction. Acta Materialia, 2020, 199, 42-52.	3.8	46
26	Effects of stacking fault energy on the thermal stability and mechanical properties of nanostructured Cu–Al alloys during thermal annealing. Journal of Materials Research, 2011, 26, 407-415.	1.2	45
27	Effect of grain size on fatigue cracking at twin boundaries in a CoCrFeMnNi high-entropy alloy. Journal of Materials Science and Technology, 2020, 39, 1-6.	5.6	45
28	Determination of Young's Modulus of Ultrathin Nanomaterials. Nano Letters, 2015, 15, 5279-5283.	4.5	44
29	Unique defect evolution during the plastic deformation of a metal matrix composite. Scripta Materialia, 2019, 162, 316-320.	2.6	44
30	Unraveling dual phase transformations in a CrCoNi medium-entropy alloy. Acta Materialia, 2021, 215, 117112.	3.8	43
31	Opposite grain size dependence of strain rate sensitivity of copper at low vs high strain rates. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2018, 738, 430-438.	2.6	39
32	Structural hierarchy defeats alloy cracking. Science, 2021, 373, 857-858.	6.0	35
33	Hierarchical twinning governed by defective twin boundary in metallic materials. Science Advances, 2022, 8, .	4.7	33
34	Evolution of initial grain boundaries and shear bands in Cu bicrystals during one-pass equal-channel angular pressing. Acta Materialia, 2009, 57, 1132-1146.	3.8	31
35	Enhancing strength and ductility of Mg–12Gd–3Y–0.5Zr alloy by forming a bi-ultrafine microstructure. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2011, 528, 4300-4311.	2.6	30
36	Effects of elemental segregation on microstructural evolution and local mechanical properties in a dynamically deformed CrMnFeCoNi high entropy alloy. Scripta Materialia, 2021, 190, 80-85.	2.6	28

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37	Effect of sample orientation and initial microstructures on the dynamic recrystallization of a Magnesium alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2017, 691, 150-154.	2.6	27
38	Improving the strength and retaining the ductility of microstructural graded coarse-grained materials with low stacking fault energy. Materials and Design, 2018, 160, 21-33.	3.3	26
39	Exceptional high fatigue strength in Cu-15at.%Al alloy with moderate grain size. Scientific Reports, 2016, 6, 27433.	1.6	25
40	Key roles of particles in grain refinement and material strengthening for an aluminum matrix composite. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2021, 801, 140414.	2.6	23
41	Enhanced strength–ductility synergy and transformation-induced plasticity of the selective laser melting fabricated 304L stainless steel. Additive Manufacturing, 2020, 35, 101300.	1.7	22
42	Mechanical properties and deformation behaviours of submicron-sized Cu–Al single crystals. Acta Materialia, 2022, 223, 117460.	3.8	21
43	Length-scale-dependent nanoindentation creep behaviour of Ti/Al multilayers by magnetron sputtering. Materials Characterization, 2018, 139, 165-175.	1.9	20
44	Size-dependent deformation behavior of dual-phase, nanostructured CrCoNi medium-entropy alloy. Science China Materials, 2021, 64, 209-222.	3.5	20
45	Improved cyclic softening behavior of ultrafine-grained Cu with high microstructural stability. Scripta Materialia, 2019, 166, 10-14.	2.6	19
46	In situ atomistic observation of the deformation mechanism of Au nanowires with twin–twin intersection. Journal of Materials Science and Technology, 2020, 53, 118-125.	5.6	19
47	Achieving equal strength joint to parent metal in a friction stir welded ultra-high strength quenching and partitioning steel. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2020, 793, 139979.	2.6	17
48	Influence of deformation microstructure on the precipitation behaviors of an Al-4Mg-0.3Cu alloy. Journal of Alloys and Compounds, 2017, 695, 2238-2245.	2.8	16
49	Composition-dependent dynamic precipitation and grain refinement in Al-Si system under high-pressure torsion. Journal of Materials Science and Technology, 2021, 68, 199-208.	5.6	16
50	Understanding formation of Mg-depletion zones in Al-Mg alloys under high pressure torsion. Journal of Materials Science and Technology, 2019, 35, 858-864.	5.6	14
51	Effect of titanium and titania on chemical characteristics of hydroxyapatite plasma-sprayed into water. Materials Science and Engineering C, 2006, 26, 28-33.	3.8	13
52	Kinetics of Domain Switching by Mechanical and Electrical Stimulation in Relaxor-Based Ferroelectrics. Physical Review Applied, 2017, 8, .	1.5	11
53	Fracture mechanism of an Al/AlN/CrAlN gradient coating on nitrogen implanted magnesium alloy. Surface and Coatings Technology, 2016, 302, 126-130.	2.2	10
54	Influence of solid solution strengthening on the local mechanical properties of single crystal and ultrafine-grained binary Cu–AlX solid solutions. Journal of Materials Research, 2017, 32, 4583-4591.	1.2	10

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55	Remarkable toughness of a nanostructured medium-entropy nitride compound. Nanoscale, 2021, 13, 15074-15084.	2.8	10
56	Cr depletion of the second phase particles in a Zr-Sn-Nb-Fe-Cr alloy: A TEM and SIMS study. Journal of Nuclear Materials, 2017, 491, 1-8.	1.3	9
57	Ultra-high specific strength and deformation behavior of nanostructured Ti/Al multilayers. Journal Physics D: Applied Physics, 2017, 50, 365302.	1.3	8
58	Comparative study on plasticity and fracture behaviour of Ti/Al multilayers. Tribology International, 2018, 126, 344-351.	3.0	8
59	Mechanical size effect of eutectic high entropy alloy: Effect of lamellar orientation. Journal of Materials Science and Technology, 2021, 82, 10-20.	5.6	8
60	Effects of loading misalignment and tapering angle on the measured mechanical properties of nanowires. Nanotechnology, 2015, 26, 435704.	1.3	6
61	MICROSTRUCTURE EVOLUTION AND MECHANICAL PROPERTIES OF FCC METALLIC MATERIALS SUBJECTED TO EQUAL CHANNEL ANGULAR PRESSING. Jinshu Xuebao/Acta Metallurgica Sinica, 2010, 46, 257-276.	0.3	5
62	Enhanced Highâ€Temperature Strength of a Lowâ€Density Dispersionâ€Strengthened Fe–Mn–Al–C Steel. Advanced Engineering Materials, 2022, 24, .	1.6	3
63	Can Experiment Determine the Stacking Fault Energy of Metastable Alloys?. SSRN Electronic Journal, 0,	0.4	Ο