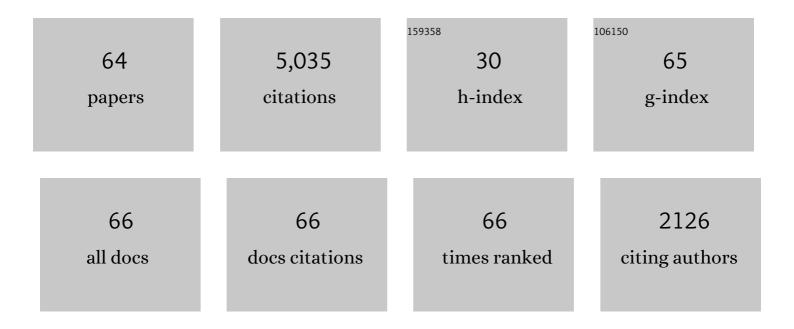
## List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Multicomponent intermetallic nanoparticles and superb mechanical behaviors of complex alloys. Science, 2018, 362, 933-937.	6.0	950
2	Heterogeneous precipitation behavior and stacking-fault-mediated deformation in a CoCrNi-based medium-entropy alloy. Acta Materialia, 2017, 138, 72-82.	3.8	553
3	Outstanding tensile properties of a precipitation-strengthened FeCoNiCrTi0.2 high-entropy alloy at room and cryogenic temperatures. Acta Materialia, 2019, 165, 228-240.	3.8	373
4	Dual heterogeneous structures lead to ultrahigh strength and uniform ductility in a Co-Cr-Ni medium-entropy alloy. Nature Communications, 2020, 11, 2390.	5.8	244
5	Ultrahigh strength and ductility in newly developed materials with coherent nanolamellar architectures. Nature Communications, 2020, 11, 6240.	5.8	226
6	Ultrahigh-strength and ductile superlattice alloys with nanoscale disordered interfaces. Science, 2020, 369, 427-432.	6.0	187
7	Nanoparticles-strengthened high-entropy alloys for cryogenic applications showing an exceptional strength-ductility synergy. Scripta Materialia, 2019, 164, 30-35.	2.6	170
8	A Novel Multinary Intermetallic as an Active Electrocatalyst for Hydrogen Evolution. Advanced Materials, 2020, 32, e2000385.	11.1	169
9	In situ design of advanced titanium alloy with concentration modulations by additive manufacturing. Science, 2021, 374, 478-482.	6.0	168
10	Development of high-strength Co-free high-entropy alloys hardened by nanosized precipitates. Scripta Materialia, 2018, 148, 51-55.	2.6	154
11	Superior high-temperature properties and deformation-induced planar faults in a novel L12-strengthened high-entropy alloy. Acta Materialia, 2020, 188, 517-527.	3.8	144
12	Precipitation hardening in CoCrFeNi-based high entropy alloys. Materials Chemistry and Physics, 2018, 210, 2-11.	2.0	137
13	Control of nanoscale precipitation and elimination of intermediate-temperature embrittlement in multicomponent high-entropy alloys. Acta Materialia, 2020, 189, 47-59.	3.8	137
14	L1 <sub>2</sub> -strengthened high-entropy alloys for advanced structural applications. Journal of Materials Research, 2018, 33, 2983-2997.	1.2	86
15	Anomalous precipitate-size-dependent ductility in multicomponent high-entropy alloys with dense nanoscale precipitates. Acta Materialia, 2022, 223, 117480.	3.8	72
16	Heterostructured stainless steel: Properties, current trends, and future perspectives. Materials Science and Engineering Reports, 2022, 150, 100691.	14.8	65
17	Novel Co-Ti-V-base superalloys reinforced by L12-ordered γ′ phase. Intermetallics, 2018, 92, 126-132.	1.8	60
18	Cocktail effects in understanding the stability and properties of face-centered-cubic high-entropy alloys at ambient and cryogenic temperatures. Scripta Materialia, 2020, 187, 250-255.	2.6	59

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19	Accelerated design of novel W-free high-strength Co-base superalloys with extremely wide γ/γʹ region by machine learning and CALPHAD methods. Acta Materialia, 2020, 186, 425-433.	3.8	57
20	Exceptional nanostructure stability and its origins in the CoCrNi-based precipitation-strengthened medium-entropy alloy. Materials Research Letters, 2019, 7, 152-158.	4.1	56
21	Phase evolution upon ion mixing and solidâ€state reaction and thermodynamic interpretation in the Niâ€Nb system. Journal of Applied Physics, 1993, 73, 1702-1710.	1.1	55
22	A novel L12-strengthened multicomponent Co-rich high-entropy alloy with both high γâ€2-solvus temperature and superior high-temperature strength. Scripta Materialia, 2021, 199, 113826.	2.6	53
23	Spinodal-modulated solid solution delivers a strong and ductile refractory high-entropy alloy. Materials Horizons, 2021, 8, 948-955.	6.4	52
24	Strain partitioning enables excellent tensile ductility in precipitated heterogeneous high-entropy alloys with gigapascal yield strength. International Journal of Plasticity, 2021, 144, 103022.	4.1	51
25	Mechanisms for suppressing discontinuous precipitation and improving mechanical properties of NiAl-strengthened steels through nanoscale Cu partitioning. Acta Materialia, 2021, 205, 116561.	3.8	48
26	Towards superior mechanical properties of hetero-structured high-entropy alloys via engineering multicomponent intermetallic nanoparticles. Scripta Materialia, 2020, 183, 39-44.	2.6	47
27	Refractory alloying additions on the thermal stability and mechanical properties of high-entropy alloys. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2020, 797, 140020.	2.6	45
28	Precipitation-hardened high-entropy alloys for high-temperature applications: A critical review. MRS Bulletin, 2019, 44, 854-859.	1.7	42
29	Ductilizing brittle high-entropy alloys via tailoring valence electron concentrations of precipitates by controlled elemental partitioning. Materials Research Letters, 2018, 6, 600-606.	4.1	41
30	L12-strengthened multicomponent Co-Al-Nb-based alloys with high strength and matrix-confined stacking-fault-mediated plasticity. Acta Materialia, 2022, 229, 117763.	3.8	36
31	Experimental investigation of phase equilibria and microstructure in the Co–Ti–V ternary system. Intermetallics, 2014, 49, 121-131.	1.8	32
32	Control of discontinuous and continuous precipitation of γÊ1-strengthened high-entropy alloys through nanoscale Nb segregation and partitioning. Journal of Alloys and Compounds, 2020, 832, 154903.	2.8	31
33	A Novel Self-Assembling Al-based Composite Powder with High Hydrogen Generation Efficiency. Scientific Reports, 2015, 5, 17428.	1.6	30
34	Chemically complex intermetallic alloys: A new frontier for innovative structural materials. Materials Today, 2022, 52, 161-174.	8.3	29
35	Strengthening and fracture mechanisms of a precipitation hardening high-entropy alloy fabricated by selective laser melting. Virtual and Physical Prototyping, 2022, 17, 451-467.	5.3	28
36	Heterogenous columnar-grained high-entropy alloys produce exceptional resistance to intermediate-temperature intergranular embrittlement. Scripta Materialia, 2021, 194, 113622.	2.6	25

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37	Highly pressurized helium nanobubbles promote stacking-fault-mediated deformation in FeNiCoCr high-entropy alloy. Acta Materialia, 2021, 210, 116843.	3.8	25
38	Multicomponent Ni-rich high-entropy alloy toughened with irregular-shaped precipitates and serrated grain boundaries. Scripta Materialia, 2021, 204, 114066.	2.6	23
39	Dual heterogeneous structure facilitating an excellent strength-ductility combination in an additively manufactured multi-principal-element alloy. Materials Research Letters, 2022, 10, 575-584.	4.1	23
40	A degradable polycyclic cross-linker for UV-curing nanoimprint lithography. Journal of Materials Chemistry C, 2014, 2, 1836.	2.7	21
41	Experimental investigations of microstructures and phase equilibria in the Co–V–Ta ternary system. Journal of Alloys and Compounds, 2016, 664, 141-148.	2.8	18
42	Martensitic transformation and mechanical behavior of a medium-entropy alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2020, 786, 139371.	2.6	18
43	Nanoscale Heterogeneities of Non-Noble Iron-Based Metallic Glasses toward Efficient Water Oxidation at Industrial-Level Current Densities. ACS Applied Materials & Interfaces, 2022, 14, 10288-10297.	4.0	18
44	Oxidation behaviors and mechanical properties of L12-strengthened high-entropy alloys at 700Ââ,,f. Corrosion Science, 2022, 206, 110499.	3.0	17
45	Ultrastrong and ductile transient liquid phase (TLP) bonding joints reinforced by ordered multi-precipitates. Composites Part B: Engineering, 2022, 231, 109568.	5.9	16
46	Unveiling the Electronic Origin for Pressure-Induced Phase Transitions in High-Entropy Alloys. Matter, 2020, 2, 751-763.	5.0	14
47	Intermediate temperature embrittlement in a precipitation-hardened high-entropy alloy: The role of heterogeneous strain distribution and environmentally assisted intergranular damage. Materials Today Physics, 2022, 24, 100653.	2.9	12
48	Design of ultrastrong but ductile medium-entropy alloy with controlled precipitations and heterogeneous grain structures. Applied Materials Today, 2021, 23, 101037.	2.3	11
49	L1 <sub>2</sub> ‣trengthened Coâ€Rich Alloys for Highâ€Temperature Structural Applications: A Critical Review. Advanced Engineering Materials, 2021, 23, 2100453.	1.6	11
50	Fabrication of Ag nanodot array over large area for surface-enhanced Raman scattering using hybrid nanoimprint mold made from AAO template. Applied Physics A: Materials Science and Processing, 2014, 117, 909-915.	1.1	10
51	Temperature-dependent microstructural evolutions and deformation mechanisms of (Ni2Co2FeCr)92Al4Nb4 high-entropy alloys. Journal of Alloys and Compounds, 2022, 918, 165597.	2.8	10
52	Low-Temperature Calcination of Belite-Calcium Sulphoaluminate Cement Clinker and the Hydration Process. Journal of Materials in Civil Engineering, 2021, 33, .	1.3	9
53	Martensite colony engineering: A novel solution to realize the high ductility in full martensitic 3D-printed Ti alloys. Materials and Design, 2022, 215, 110445.	3.3	9
54	Compositionally complex coherent precipitation-strengthened high-entropy alloys: a critical review. Rare Metals, 2022, 41, 2002-2015.	3.6	9

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55	Microstructure and Magnetic Properties of the Fe/Cu Nano-Multilayers by Vapour Deposition. Physica Status Solidi A, 1993, 135, 573-580.	1.7	7
56	Microstructure and magnetic properties of Co/Pd multilayer films. Physica Status Solidi A, 1994, 142, 443-450.	1.7	7
57	Water Splitting: A Novel Multinary Intermetallic as an Active Electrocatalyst for Hydrogen Evolution (Adv. Mater. 21/2020). Advanced Materials, 2020, 32, 2070166.	11.1	6
58	Enhanced resistance to hydrogen embrittlement in a CrCoNi-based medium-entropy alloy via grain-boundary decoration of boron. Materials Research Letters, 2022, 10, 278-286.	4.1	6
59	Sub-50Ânm UV-curing nanoimprint based on fluoropolymer, CYTOP, mold. Applied Physics A: Materials Science and Processing, 2014, 116, 79-84.	1.1	5
60	Simultaneously enhanced oxidation resistance and mechanical properties in a novel lightweight Ti2VZrNb0.5Al0.5 high-entropy alloy. Science China Materials, 2022, 65, 2842-2849.	3.5	5
61	Interstitially strengthened metastable FeCoCr-based medium-entropy alloys with both high strength and large ductility. Applied Physics Letters, 2021, 119, 051902.	1.5	4
62	Metastable Phase Formation in the FeCu System by Ion Irradiation and Solid State Interdiffusion. Physica Status Solidi A, 1993, 135, 199-206.	1.7	3
63	Linear relationship of the enhanced magnetization of fe atoms versus the radius difference of the constituent metals in Fe/f.C.C. metal multilayers. Physica Status Solidi A, 1995, 149, 677-683.	1.7	2
64	Multicomponent Precipitation and Strengthening in Intermetallic-Strengthened Alloys. Frontiers in Materials, 0, 9, .	1.2	2