

# Yuankui Cao

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9679033/publications.pdf>

Version: 2024-02-01

27  
papers

580  
citations

687363

13  
h-index

610901

24  
g-index

27  
all docs

27  
docs citations

27  
times ranked

361  
citing authors

#	ARTICLE	IF	CITATIONS
1	Dynamic deformation behavior of a FeCrNi medium entropy alloy. Journal of Materials Science and Technology, 2022, 100, 120-128.	10.7	30
2	High-temperature mechanical properties and deformation behavior of carbides reinforced TiNbTaZrHf composite. Journal of Alloys and Compounds, 2022, 894, 162414.	5.5	4
3	Microstructure and Mechanical Properties of Novel Lightweight TaNbVTi-Based Refractory High Entropy Alloys. Materials, 2022, 15, 355.	2.9	5
4	A Focused Review on Engineering Application of Multi-Principal Element Alloy. Frontiers in Materials, 2022, 8, .	2.4	4
5	Influence of different substrates on the microstructure and mechanical properties of WC-12Co cemented carbide fabricated via laser melting deposition. International Journal of Refractory Metals and Hard Materials, 2022, 104, 105787.	3.8	14
6	Strengthening mechanism of Ti-W composites with heterogeneous microstructures. Materials Research Letters, 2022, 10, 352-359.	8.7	7
7	A novel ultra-high strength titanium alloy via hierarchical $\text{Ti}_2\text{Ti}$ precipitation strengthening. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2022, 840, 142878.	5.6	13
8	Phase decomposition behavior and its effects on mechanical properties of TiNbTa <sub>0.5</sub> ZrAl <sub>0.5</sub> refractory high entropy alloy. Journal of Materials Science and Technology, 2021, 66, 10-20.	10.7	44
9	Effects of Al on Precipitation Behavior of Ti-Nb-Ta-Zr Refractory High Entropy Alloys. Metals, 2021, 11, 514.	2.3	11
10	Mechanical properties and microstructural evolution of a novel (FeCoNi) <sub>86.93</sub> Al <sub>6.17</sub> Ti <sub>6.9</sub> medium entropy alloy fabricated via powder metallurgy technique. Journal of Alloys and Compounds, 2021, 860, 158460.	5.5	22
11	New Ti <sub>2</sub> Ti alloy laminated composite processed by powder metallurgy: Microstructural evolution and mechanical property. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2021, 822, 141702.	5.6	7
12	Effect of oxide nanoparticles on the mechanical properties of novel cobalt-free FeCrNi medium entropy alloys. Materials Letters, 2021, 302, 130379.	2.6	7
13	A particle reinforced NbTaTiV refractory high entropy alloy based composite with attractive mechanical properties. Journal of Alloys and Compounds, 2020, 815, 152466.	5.5	26
14	Precipitation behavior and mechanical properties of a hot-worked TiNbTa <sub>0.5</sub> ZrAl <sub>0.5</sub> refractory high entropy alloy. International Journal of Refractory Metals and Hard Materials, 2020, 86, 105132.	3.8	24
15	Hot deformation behavior of nano-sized TiB reinforced Ti-6Al-4V metal matrix composites. Mechanics of Materials, 2020, 141, 103260.	3.2	14
16	Strong-yet-ductile Ti <sub>2</sub> Zr alloys through high concentration of oxygen strengthening. Transactions of Nonferrous Metals Society of China, 2020, 30, 2449-2458.	4.2	13
17	Extraordinary tensile properties of titanium alloy with heterogeneous phase-distribution based on hetero-deformation induced hardening. Materials Research Letters, 2020, 8, 254-260.	8.7	33
18	Strength-ductility trade-off deviation in a pre-deformed metastable $\beta^2$ titanium alloy. Journal of Alloys and Compounds, 2020, 835, 155332.	5.5	9

#	ARTICLE	IF	CITATIONS
19	Microstructure and mechanical properties of powder metallurgy high temperature titanium alloy with high Si content. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2020, 777, 138993.	5.6	23
20	Effects of Al and Mo on high temperature oxidation behavior of refractory high entropy alloys. <i>Transactions of Nonferrous Metals Society of China</i> , 2019, 29, 1476-1483.	4.2	75
21	Precipitation strengthening in a hot-worked TiNbTa0.5ZrAl0.5 refractory high entropy alloy. <i>Materials Letters</i> , 2019, 246, 186-189.	2.6	21
22	High Temperature Deformation Behavior of In-Situ Synthesized Titanium-Based Composite Reinforced with Ultra-Fine TiB Whiskers. <i>Materials</i> , 2018, 11, 1863.	2.9	8
23	Precipitation behavior during hot deformation of powder metallurgy Ti-Nb-Ta-Zr-Al high entropy alloys. <i>Intermetallics</i> , 2018, 100, 95-103.	3.9	41
24	Flow behavior and microstructures of powder metallurgical CrFeCoNiMo0.2 high entropy alloy during high temperature deformation. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2017, 689, 233-242.	5.6	74
25	Characterization of hot deformation behavior of Ti-3Al-5Mo alloy with a martensitic starting microstructure. <i>Journal of Micromechanics and Molecular Physics</i> , 2017, 02, 1750011.	1.2	11
26	Characterization of fatigue properties of powder metallurgy titanium alloy. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2016, 654, 418-425.	5.6	27
27	&lt;i>In Situ</i> Synthesis of TiB/Ti6Al4V Composites Reinforced with Nano TiB through SPS. <i>Materials Transactions</i> , 2015, 56, 259-263.	1.2	13