

# Joshua Gild

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11558334/publications.pdf>

Version: 2024-02-01

12  
papers

2,824  
citations

840776

11  
h-index

1199594

12  
g-index

12  
all docs

12  
docs citations

12  
times ranked

1575  
citing authors

#	ARTICLE	IF	CITATIONS
1	Processing-dependent stabilization of a dissimilar rare-earth boride in high-entropy (Ti <sub>0.2</sub> Zr <sub>0.2</sub> Hf <sub>0.2</sub> Ta <sub>0.2</sub> Er <sub>0.2</sub> )B <sub>2</sub> with enhanced hardness and grain boundary segregation. <i>Journal of the European Ceramic Society</i> , 2022, 42, 5164-5171.	5.7	11
2	Thermal conductivity and hardness of three single-phase high-entropy metal diborides fabricated by borocarbothermal reduction and spark plasma sintering. <i>Ceramics International</i> , 2020, 46, 6906-6913.	4.8	107
3	Part I: Theoretical predictions of preferential oxidation in refractory high entropy materials. <i>Acta Materialia</i> , 2020, 197, 20-27.	7.9	94
4	Part II: Experimental verification of computationally predicted preferential oxidation of refractory high entropy ultra-high temperature ceramics. <i>Acta Materialia</i> , 2020, 197, 81-90.	7.9	88
5	Dissolving and stabilizing soft WB <sub>2</sub> and MoB <sub>2</sub> phases into high-entropy borides via boron-metals reactive sintering to attain higher hardness. <i>Journal of the European Ceramic Society</i> , 2020, 40, 4348-4353.	5.7	71
6	Dual-phase high-entropy ultra-high temperature ceramics. <i>Journal of the European Ceramic Society</i> , 2020, 40, 5037-5050.	5.7	91
7	Reactive flash spark plasma sintering of high-entropy ultrahigh temperature ceramics. <i>Scripta Materialia</i> , 2019, 170, 106-110.	5.2	101
8	A high-entropy silicide: (Mo <sub>0.2</sub> Nb <sub>0.2</sub> Ta <sub>0.2</sub> Ti <sub>0.2</sub> W <sub>0.2</sub> )Si <sub>2</sub> . <i>Journal of Materiomics</i> , 2019, 5, 337-343.	5.7	159
9	Phase stability and mechanical properties of novel high entropy transition metal carbides. <i>Acta Materialia</i> , 2019, 166, 271-280.	7.9	422
10	High-entropy fluorite oxides. <i>Journal of the European Ceramic Society</i> , 2018, 38, 3578-3584.	5.7	399
11	A new class of high-entropy perovskite oxides. <i>Scripta Materialia</i> , 2018, 142, 116-120.	5.2	560
12	High-Entropy Metal Diborides: A New Class of High-Entropy Materials and a New Type of Ultrahigh Temperature Ceramics. <i>Scientific Reports</i> , 2016, 6, 37946.	3.3	721