

# 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	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
2	A new class of high-entropy perovskite oxides. <i>Scripta Materialia</i> , 2018, 142, 116-120.	5.2	560
3	Phase stability and mechanical properties of novel high entropy transition metal carbides. <i>Acta Materialia</i> , 2019, 166, 271-280.	7.9	422
4	High-entropy fluorite oxides. <i>Journal of the European Ceramic Society</i> , 2018, 38, 3578-3584.	5.7	399
5	A high-entropy silicide: $(\text{Mo}_{0.2}\text{Nb}_{0.2}\text{Ta}_{0.2}\text{Ti}_{0.2}\text{W}_{0.2})\text{Si}_2$ . <i>Journal of Materiomics</i> , 2019, 5, 337-343.	5.7	159
6	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
7	Reactive flash spark plasma sintering of high-entropy ultrahigh temperature ceramics. <i>Scripta Materialia</i> , 2019, 170, 106-110.	5.2	101
8	Part I: Theoretical predictions of preferential oxidation in refractory high entropy materials. <i>Acta Materialia</i> , 2020, 197, 20-27.	7.9	94
9	Dual-phase high-entropy ultra-high temperature ceramics. <i>Journal of the European Ceramic Society</i> , 2020, 40, 5037-5050.	5.7	91
10	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
11	Dissolving and stabilizing soft $\text{WB}_2$ and $\text{MoB}_2$ 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
12	Processing-dependent stabilization of a dissimilar rare-earth boride in high-entropy $(\text{Ti}_{0.2}\text{Zr}_{0.2}\text{Hf}_{0.2}\text{Ta}_{0.2}\text{Er}_{0.2})\text{B}_2$ with enhanced hardness and grain boundary segregation. <i>Journal of the European Ceramic Society</i> , 2022, 42, 5164-5171.	5.7	11