

# Joshua D Bocarsly

## List of Publications by Year in descending order

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Version: 2024-02-01

25  
papers

532  
citations

623188

14  
h-index

642321

23  
g-index

25  
all docs

25  
docs citations

25  
times ranked

796  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Simple Computational Proxy for Screening Magnetocaloric Compounds. Chemistry of Materials, 2017, 29, 1613-1622.	3.2	58
2	Non-conventional synthesis and magnetic properties of MAX phases (Cr/Mn) <sub>2</sub> AlC and (Cr/Fe) <sub>2</sub> AlC. Journal of Materials Chemistry C, 2017, 5, 5700-5708.	2.7	58
3	Multielectron Redox and Insulator-to-Metal Transition upon Lithium Insertion in the Fast-Charging, Wadsley-Roth Phase PNb <sub>9</sub> O <sub>25</sub> . Chemistry of Materials, 2020, 32, 4553-4563.	3.2	50
4	Nanoscale Iron Nitride, $\hat{\mu}$ -Fe <sub>3</sub> N: Preparation from Liquid Ammonia and Magnetic Properties. Chemistry of Materials, 2017, 29, 621-628.	3.2	46
5	Magnetoentropic signatures of skyrmionic phase behavior in FeGe. Physical Review B, 2018, 97, .	1.1	41
6	Deciphering structural and magnetic disorder in the chiral skyrmion host materials $\langle \text{mml:math} \text{xmlns:mml}="http://www.w3.org/1998/Math/MathML">\langle \text{mml:mrow}>\langle \text{mml:msub}>\langle \text{mml:mi}>\text{Co}</\text{mml:mi}>\langle \text{mml:mi}>\text{x}</\text{mml:mi}></\text{mml:mrow}>$		

#	ARTICLE	IF	CITATIONS
19	An iron ketimide single-molecule magnet [Fe <sub>4</sub> (NiCPh <sub>2</sub> ) <sub>6</sub> ] with suppressed through-barrier relaxation. <i>Chemical Science</i> , 2020, 11, 4753-4757.	3.7	10
20	Modeling the structural distortion and magnetic ground state of the polar lacunar spinel $GaV_4Mn_8$ . <i>Physical Review B</i> , 2019, 100, .	1.4	1
21	Evolution of noncollinear magnetism in magnetocaloric MnPtGa. <i>Physical Review Materials</i> , 2020, 4, .	0.9	9
22	Structural coupling and magnetic tuning in Mn <sup>2+</sup> /Co <sup>2+</sup> /P magnetocalorics for thermomagnetic power generation. <i>APL Materials</i> , 2020, 8, . <i>Magnetoentropic mapping and computational modeling of cycloids and skyrmions in the lacunar spinels</i>	2.2	8
23	$GaV_4Mn_8S$ and $GaV_4Mn_5$	0.9	5
24	Magnetocaloric behavior and magnetic ordering in MnPdGa. <i>Physical Review Materials</i> , 2021, 5, .	0.9	4
25	Magnetostructural coupling from competing magnetic and chemical bonding effects. <i>Physical Review Research</i> , 2020, 2, .	1.3	1