

Katharina Werbach

List of Publications by Year in descending order

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14
papers

477
citations

933264

10
h-index

1058333

14
g-index

16
all docs

16
docs citations

16
times ranked

926
citing authors

#	ARTICLE	IF	CITATIONS
1	Phonon-tunnelling dissipation in mechanical resonators. Nature Communications, 2011, 2, 231.	5.8	147
2	Exploring the Formation of Black Phosphorus Intercalation Compounds with Alkali Metals. Angewandte Chemie - International Edition, 2017, 56, 15267-15273.	7.2	69
3	Lattice Opening upon Bulk Reductive Covalent Functionalization of Black Phosphorus. Angewandte Chemie - International Edition, 2019, 58, 5763-5768.	7.2	60
4	Unifying Principles of the Reductive Covalent Graphene Functionalization. Journal of the American Chemical Society, 2017, 139, 5175-5182.	6.6	54
5	Fracture anisotropy in texturized lithium disilicate glass-ceramics. Journal of Non-Crystalline Solids, 2018, 481, 457-469.	1.5	39
6	Exceptional Strengthening of Biodegradable Mg-Zn-Ca Alloys through High Pressure Torsion and Subsequent Heat Treatment. Materials, 2019, 12, 2460.	1.3	26
7	Effect of tantalum solid solution additions on the mechanical behavior of ZrB ₂ . Journal of the European Ceramic Society, 2021, 41, 3219-3226.	2.8	16
8	Carbon Nano-onions: Potassium Intercalation and Reductive Covalent Functionalization. Journal of the American Chemical Society, 2021, 143, 18997-19007.	6.6	15
9	Enhanced Thermoelectric Performance in the Ba _{0.3} Co ₄ Sb ₁₂ /InSb Nanocomposite Originating from the Minimum Possible Lattice Thermal Conductivity. ACS Applied Materials & Interfaces, 2020, 12, 48729-48740.	4.0	13
10	Exploring the Formation of Black Phosphorus Intercalation Compounds with Alkali Metals. Angewandte Chemie, 2017, 129, 15469-15475.	1.6	12
11	Gitteröffnung durch reduktive kovalente Volumen-Funktionalisierung von schwarzem Phosphor. Angewandte Chemie, 2019, 131, 5820-5826.	1.6	12
12	Simultaneous optimization of power factor and thermal conductivity via Te and Se double substitution in Cu ₁₂ Sb ₄ S ₁₃ tetrahedrite. Scripta Materialia, 2020, 188, 151-156.	2.6	6
13	Controlling the Formation of Sodium/Black Phosphorus Intercalation Compounds Towards High Sodium Content. Batteries and Supercaps, 2021, 4, 1304-1309.	2.4	3
14	Pitfalls of determining the elastic properties of stabilized zirconia with indentation methods. Ceramics International, 2019, 45, 9491-9496.	2.3	2