

Daniel Weber

List of Publications by Year in descending order

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docs citations

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Coexisting ferromagnetic and antiferromagnetic state in twisted bilayer CrI ₃ . Nature Nanotechnology, 2022, 17, 143-147.	31.5	115
2	Single step synthesis of W-modified LiNiO ₂ using an ammonium tungstate flux. Journal of Materials Chemistry A, 2022, 10, 7841-7855.	10.3	17
3	Tracing Low Amounts of Mg in the Doped Cathode Active Material LiNiO ₂ . Journal of the Electrochemical Society, 2022, 169, 030540.	2.9	15
4	Probing the Lithium Substructure and Ionic Conductivity of the Solid Electrolyte Li ₄ PS ₄ . Inorganic Chemistry, 2022, 61, 5885-5890.	4.0	2
5	A multipurpose laboratory diffractometer for <i>in situ</i> powder X-ray diffraction investigations of energy materials. Journal of Applied Crystallography, 2022, 55, 503-514.	4.5	6
6	Deterministic switching of a perpendicularly polarized magnet using unconventional spin-orbit torques in WTe ₂ . Nature Materials, 2022, 21, 1029-1034.	27.5	75
7	Anomalous electronic properties in layered, disordered ZnVSb. Physical Review Materials, 2021, 5, .	2.4	2
8	Proximate ferromagnetic state in the Kitaev model material \hat{I}_{\pm} -RuCl ₃ . Nature Communications, 2021, 12, 4512.	12.8	47
9	Fundamental Spin Interactions Underlying the Magnetic Anisotropy in the Kitaev Ferromagnet CrI_3 Physical Review Letters, 2020, 124, 017201.	7.8	132
10	Rational strain engineering in delafossite oxides for highly efficient hydrogen evolution catalysis in acidic media. Nature Catalysis, 2020, 3, 55-63.	34.4	124
11	Surface Modification Strategies for Improving the Cycling Performance of Ni-Rich Cathode Materials. European Journal of Inorganic Chemistry, 2020, 2020, 3117-3130.	2.0	46
12	Distinct magneto-Raman signatures of spin-flip phase transitions in CrI ₃ . Nature Communications, 2020, 11, 3879.	12.8	59
13	Suppression of magnetic ordering in Fe-deficient $Fe_{3-x}Te_2$ from application of pressure. Physical Review B, 2020, 102, .	3.2	9
14	Gate-tunable spin waves in antiferromagnetic atomic bilayers. Nature Materials, 2020, 19, 838-842.	27.5	90
15	Synthesis, structural, and electronic properties of Sr _{1-x} Ca _x PdAs. Inorganic Chemistry Frontiers, 2020, 7, 2833-2839.	6.0	3
16	Decomposition-Induced Room-Temperature Magnetism of the Na-Intercalated Layered Ferromagnet Fe _{3-x} GeTe ₂ . Nano Letters, 2019, 19, 5031-5035.	9.1	46
17	Pressure-controlled interlayer magnetism in atomically thin CrI ₃ . Nature Materials, 2019, 18, 1303-1308.	27.5	364
18	Soft Chemical Synthesis of H _x CrS ₂ : An Antiferromagnetic Material with Alternating Amorphous and Crystalline Layers. Journal of the American Chemical Society, 2019, 141, 15634-15640.	13.7	31

#	ARTICLE	IF	CITATIONS
19	Spin-Split Band Hybridization in Graphene Proximitized with $\hat{\pm}$ -RuCl ₃ Nanosheets. Nano Letters, 2019, 19, 4659-4665.	9.1	62
20	Ruthenium Oxide Nanosheets for Enhanced Oxygen Evolution Catalysis in Acidic Medium. Advanced Energy Materials, 2019, 9, 1803795.	19.5	147
21	Electrical Transport Signature of the Magnetic Fluctuation-Structure Relation in $\hat{\pm}$ -RuCl ₃ Nanoflakes. Nano Letters, 2018, 18, 3203-3208.	9.1	28
22	IrOOH nanosheets as acid stable electrocatalysts for the oxygen evolution reaction. Journal of Materials Chemistry A, 2018, 6, 21558-21566.	10.3	72
23	Raman Spectroscopy, Photocatalytic Degradation, and Stabilization of Atomically Thin Chromium Tri-iodide. Nano Letters, 2018, 18, 4214-4219.	9.1	131
24	Temperature-dependent magnetic anisotropy in the layered magnetic semiconductors CrI_3 and CrB_3 and	2.4	70
25	Functional Engineering of Perovskite Nanosheets: Impact of Lead Substitution on Exfoliation in the Solid Solution $\text{RbCa}_2\text{Pb}_x\text{Nb}_3\text{O}_{10}$. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2017, 643, 1668-1680.	1.2	6
26	Trivalent Iridium Oxides: Layered Triangular Lattice Iridate $\text{K}_{0.75}\text{Na}_{0.25}\text{IrO}_2$ and Oxyhydroxide IrOOH. Chemistry of Materials, 2017, 29, 8338-8345.	6.7	35
27	Magnetic Properties of Restacked 2D Spin 1/2 honeycomb RuCl ₃ Nanosheets. Nano Letters, 2016, 16, 3578-3584.	9.1	89
28	Tuning the magnetoresistance of ultrathin WTe_2 sheets by electrostatic gating. Nanoscale, 2016, 8, 18703-18709.	5.6	24
29	Biogenic metal-organic frameworks: 2,5-Furandicarboxylic acid as versatile building block. Microporous and Mesoporous Materials, 2013, 181, 217-221.	4.4	40
30	Crystal structure of barium oxonitridophosphate, Ba ₃ P ₆ O ₆ N ₈ . Zeitschrift Fur Kristallographie - New Crystal Structures, 2012, 227, 1-2.	0.3	7