

Daniel Weber

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9180656/publications.pdf>

Version: 2024-02-01

30
papers

1,902
citations

331538

21
h-index

434063

31
g-index

32
all docs

32
docs citations

32
times ranked

3020
citing authors

#	ARTICLE	IF	CITATIONS
1	Coexisting ferromagnetic and antiferromagnetic state in twisted bilayer CrI ₃ . Nature Nanotechnology, 2022, 17, 143-147.	15.6	115
2	Single step synthesis of W-modified LiNiO ₂ using an ammonium tungstate flux. Journal of Materials Chemistry A, 2022, 10, 7841-7855.	5.2	17
3	Tracing Low Amounts of Mg in the Doped Cathode Active Material LiNiO ₂ . Journal of the Electrochemical Society, 2022, 169, 030540.	1.3	15
4	Probing the Lithium Substructure and Ionic Conductivity of the Solid Electrolyte Li ₄ PS ₄ . Inorganic Chemistry, 2022, 61, 5885-5890.	1.9	2
5	A multipurpose laboratory diffractometer for <i>operando</i> powder X-ray diffraction investigations of energy materials. Journal of Applied Crystallography, 2022, 55, 503-514.	1.9	6
6	Deterministic switching of a perpendicularly polarized magnet using unconventional spin-orbit torques in WTe ₂ . Nature Materials, 2022, 21, 1029-1034.	13.3	75
7	Anomalous electronic properties in layered, disordered ZnVSb. Physical Review Materials, 2021, 5, .	0.9	2
8	Proximate ferromagnetic state in the Kitaev model material $\hat{I}\pm$ -RuCl ₃ . Nature Communications, 2021, 12, 4512.	5.8	47
9	Fundamental Spin Interactions Underlying the Magnetic Anisotropy in the Kitaev Ferromagnet $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"> < \text{mml:mrow} < \text{mml:msub} < \text{mml:mrow} < \text{mml:mi} > \text{Cr} < / \text{mml:mi} > < / \text{mml:mrow} < \text{mml:mrow} < \text{mml:mn} > 3 < / \text{mml:mn} > < / \text{mml:math} \rangle$. Physical Review Letters, 2020, 124, 017201.	2.9	132
10	Rational strain engineering in delafossite oxides for highly efficient hydrogen evolution catalysis in acidic media. Nature Catalysis, 2020, 3, 55-63.	16.1	124
11	Surface Modification Strategies for Improving the Cycling Performance of Ni-Rich Cathode Materials. European Journal of Inorganic Chemistry, 2020, 2020, 3117-3130.	1.0	46
12	Distinct magneto-Raman signatures of spin-flip phase transitions in CrI ₃ . Nature Communications, 2020, 11, 3879.	5.8	59
13	Suppression of magnetic ordering in Fe-deficient $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" > \text{mml:mrow} < \text{mml:msub} < \text{mml:mi} > \text{Fe} < / \text{mml:mi} > < \text{mml:mrow} < \text{mml:mn} > 3 < / \text{mml:mn} > < / \text{mml:math} \rangle$ Te $\langle \text{mml:mi} > \text{Te} < / \text{mml:mi} > \langle \text{mml:mn} > 2 < / \text{mml:mn} > < / \text{mml:msub} < / \text{mml:mrow} < / \text{mml:math} \rangle$ from application of pressure. Physical Review B, 2020, 102, .	1.1	9
14	Gate-tunable spin waves in antiferromagnetic atomic bilayers. Nature Materials, 2020, 19, 838-842.	13.3	90
15	Synthesis, structural, and electronic properties of Sr _{1-x} Ca _x PdAs. Inorganic Chemistry Frontiers, 2020, 7, 2833-2839.	3.0	3
16	Decomposition-Induced Room-Temperature Magnetism of the Na-Intercalated Layered Ferromagnet Fe ₃ GeTe ₂ . Nano Letters, 2019, 19, 5031-5035.	4.5	46
17	Pressure-controlled interlayer magnetism in atomically thin CrI ₃ . Nature Materials, 2019, 18, 1303-1308.	13.3	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.	6.6	31

#	ARTICLE	IF	CITATIONS
19	Spin-Split Band Hybridization in Graphene Proximitized with $\hat{\pm}$ -RuCl ₃ Nanosheets. Nano Letters, 2019, 19, 4659-4665.	4.5	62
20	Ruthenium Oxide Nanosheets for Enhanced Oxygen Evolution Catalysis in Acidic Medium. Advanced Energy Materials, 2019, 9, 1803795.	10.2	147
21	Electrical Transport Signature of the Magnetic Fluctuation-Structure Relation in $\hat{\pm}$ -RuCl ₃ Nanoflakes. Nano Letters, 2018, 18, 3203-3208.	4.5	28
22	IrOOH nanosheets as acid stable electrocatalysts for the oxygen evolution reaction. Journal of Materials Chemistry A, 2018, 6, 21558-21566.	5.2	72
23	Raman Spectroscopy, Photocatalytic Degradation, and Stabilization of Atomically Thin Chromium Tri-iodide. Nano Letters, 2018, 18, 4214-4219.	4.5	131
24	Temperature-dependent magnetic anisotropy in the layered magnetic semiconductors CrI_3 and CrBr_3 and	0.9	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.	0.6	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.	3.2	35
27	Magnetic Properties of Restacked 2D Spin 1/2 honeycomb RuCl ₃ Nanosheets. Nano Letters, 2016, 16, 3578-3584.	4.5	89
28	Tuning the magnetoresistance of ultrathin WTe_2 sheets by electrostatic gating. Nanoscale, 2016, 8, 18703-18709.	2.8	24
29	Biogenic metal-organic frameworks: 2,5-Furandicarboxylic acid as versatile building block. Microporous and Mesoporous Materials, 2013, 181, 217-221.	2.2	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.	0.1	7