

# Daniel Weber

## List of Publications by Year in descending order

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30  
papers

1,902  
citations

331670

21  
h-index

434195

31  
g-index

32  
all docs

32  
docs citations

32  
times ranked

3020  
citing authors

#	ARTICLE	IF	CITATIONS
1	Pressure-controlled interlayer magnetism in atomically thin CrI <sub>3</sub> . Nature Materials, 2019, 18, 1303-1308.	27.5	364
2	Ruthenium Oxide Nanosheets for Enhanced Oxygen Evolution Catalysis in Acidic Medium. Advanced Energy Materials, 2019, 9, 1803795.	19.5	147
3	Fundamental Spin Interactions Underlying the Magnetic Anisotropy in the Kitaev Ferromagnet <math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>Cr</mml:mi></mml:mrow><mml:mrow><mml:mi>3</mml:mi></mml:mrow></math> Physical Review Letters, 2020, 124, 017201.	7.8	132
4	Raman Spectroscopy, Photocatalytic Degradation, and Stabilization of Atomically Thin Chromium Tri-iodide. Nano Letters, 2018, 18, 4214-4219.	9.1	131
5	Rational strain engineering in delafossite oxides for highly efficient hydrogen evolution catalysis in acidic media. Nature Catalysis, 2020, 3, 55-63.	34.4	124
6	Coexisting ferromagnetic and antiferromagnetic state in twisted bilayer CrI <sub>3</sub> . Nature Nanotechnology, 2022, 17, 143-147.	31.5	115
7	Gate-tunable spin waves in antiferromagnetic atomic bilayers. Nature Materials, 2020, 19, 838-842.	27.5	90
8	Magnetic Properties of Restacked 2D Spin 1/2 honeycomb RuCl <sub>3</sub> Nanosheets. Nano Letters, 2016, 16, 3578-3584.	9.1	89
9	Deterministic switching of a perpendicularly polarized magnet using unconventional spin-orbit torques in WTe <sub>2</sub> . Nature Materials, 2022, 21, 1029-1034.	27.5	75
10	IrOOH nanosheets as acid stable electrocatalysts for the oxygen evolution reaction. Journal of Materials Chemistry A, 2018, 6, 21558-21566.	10.3	72
11	Temperature-dependent magnetic anisotropy in the layered magnetic semiconductors CrI <sub>3</sub> and CrBr <sub>3</sub> . Physical Review Letters, 2020, 124, 017201.	2.4	70
12	Spin-Split Band Hybridization in Graphene Proximitized with $\pm$ -RuCl <sub>3</sub> Nanosheets. Nano Letters, 2019, 19, 4659-4665.	9.1	62
13	Distinct magneto-Raman signatures of spin-flip phase transitions in CrI <sub>3</sub> . Nature Communications, 2020, 11, 3879.	12.8	59
14	Proximate ferromagnetic state in the Kitaev model material $\pm$ -RuCl <sub>3</sub> . Nature Communications, 2021, 12, 4512.	12.8	47
15	Decomposition-Induced Room-Temperature Magnetism of the Na-Intercalated Layered Ferromagnet Fe <sub>3</sub> GeTe <sub>2</sub> . Nano Letters, 2019, 19, 5031-5035.	9.1	46
16	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
17	Biogenic metal-organic frameworks: 2,5-Furandicarboxylic acid as versatile building block. Microporous and Mesoporous Materials, 2013, 181, 217-221.	4.4	40
18	Trivalent Iridium Oxides: Layered Triangular Lattice Iridate K <sub>0.75</sub> Na <sub>0.25</sub> IrO <sub>2</sub> and Oxyhydroxide IrOOH. Chemistry of Materials, 2017, 29, 8338-8345.	6.7	35

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19	Soft Chemical Synthesis of $\text{H}_x\text{CrS}_2$ : An Antiferromagnetic Material with Alternating Amorphous and Crystalline Layers. <i>Journal of the American Chemical Society</i> , 2019, 141, 15634-15640.	13.7	31
20	Electrical Transport Signature of the Magnetic Fluctuation-Structure Relation in $\text{RuCl}_3$ Nanoflakes. <i>Nano Letters</i> , 2018, 18, 3203-3208.	9.1	28
21	Tuning the magnetoresistance of ultrathin $\text{WTe}_2$ sheets by electrostatic gating. <i>Nanoscale</i> , 2016, 8, 18703-18709.	5.6	24
22	Single step synthesis of W-modified $\text{LiNiO}_2$ using an ammonium tungstate flux. <i>Journal of Materials Chemistry A</i> , 2022, 10, 7841-7855.	10.3	17
23	Tracing Low Amounts of Mg in the Doped Cathode Active Material $\text{LiNiO}_2$ . <i>Journal of the Electrochemical Society</i> , 2022, 169, 030540.	2.9	15
24	Suppression of magnetic ordering in Fe-deficient $\text{Te}_{1-x}\text{Fe}_x\text{Te}_2$ from application of pressure. <i>Physical Review B</i> , 2020, 102, .	3.2	9
25	Crystal structure of barium oxonitridophosphate, $\text{Ba}_3\text{P}_6\text{O}_6\text{N}_8$ . <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , 2012, 227, 1-2.	0.3	7
26	Functional Engineering of Perovskite Nanosheets: Impact of Lead Substitution on Exfoliation in the Solid Solution $\text{RbCa}_{2-x}\text{Pb}_x\text{Nb}_3\text{O}_{10}$ . <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2017, 643, 1668-1680.	1.2	6
27	A multipurpose laboratory diffractometer for <i>in operando</i> powder X-ray diffraction investigations of energy materials. <i>Journal of Applied Crystallography</i> , 2022, 55, 503-514.	4.5	6
28	Synthesis, structural, and electronic properties of $\text{Sr}_{1-x}\text{Ca}_x\text{PdAs}$ . <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 2833-2839.	6.0	3
29	Anomalous electronic properties in layered, disordered $\text{ZnVSb}$ . <i>Physical Review Materials</i> , 2021, 5, .	2.4	2
30	Probing the Lithium Substructure and Ionic Conductivity of the Solid Electrolyte $\text{Li}_4\text{PS}_4\text{I}$ . <i>Inorganic Chemistry</i> , 2022, 61, 5885-5890.	4.0	2