Daniel Weber

List of Publications by Year
in descending order

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	Pressure-controlled interlayer magnetism in atomically thin CrI3. Nature Materials, 2019, 18, 1303-1308.	13.3	364
2	Ruthenium Oxide Nanosheets for Enhanced Oxygen Evolution Catalysis in Acidic Medium. Advanced Energy Materials, 2019, 9, 1803795.	10.2	147
3	Fundamental Spin Interactions Underlying the Magnetic Anisotropy in the Kitaev Ferromagnet <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>CrI</mml:mi></mml:mrow><mml:mrow><mml:mn>3</mml:mn></ Physical Review Letters, 2020, 124, 017201.	2.9	132
4	Raman Spectroscopy, Photocatalytic Degradation, and Stabilization of Atomically Thin Chromium Tri-iodide. Nano Letters, 2018, 18, 4214-4219.	4.5	131
5	Rational strain engineering in delafossite oxides for highly efficient hydrogen evolution catalysis in acidic media. Nature Catalysis, 2020, 3, 55-63.	16.1	124
6	Coexisting ferromagneticâ€“antiferromagnetic state in twisted bilayer CrI3. Nature Nanotechnology, 2022, 17, 143-147.	15.6	115
7	Gate-tunable spin waves in antiferromagnetic atomic bilayers. Nature Materials, 2020, 19, 838-842.	13.3	90
8	Magnetic Properties of Restacked 2D Spin 1/2 honeycomb RuCl₃ Nanosheets. Nano Letters, 2016, 16, 3578-3584.	4.5	89
9	Deterministic switching of a perpendicularly polarized magnet using unconventional spinâ€“orbit torques in WTe2. Nature Materials, 2022, 21, 1029-1034.	13.3	75
10	IrOOH nanosheets as acid stable electrocatalysts for the oxygen evolution reaction. Journal of Materials Chemistry A, 2018, 6, 21558-21566.	5.2	72
11	Temperature-dependent magnetic anisotropy in the layered magnetic semiconductors <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Cr</mml:mi><mml:msub><mml:mi mathvariant="normal">I</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:mrow></mml:math> and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>CrB</mml:mi><mml:msub><mml:mi mathvariant="normal"><</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:mrow></mml:math> Physical	0.9	70
12	Spin-Split Band Hybridization in Graphene Proximitized with Î±-RuCl₃ Nanosheets. Nano Letters, 2019, 19, 4659-4665.	4.5	62
13	Distinct magneto-Raman signatures of spin-flip phase transitions in CrI3. Nature Communications, 2020, 11, 3879.	5.8	59
14	Proximate ferromagnetic state in the Kitaev model material Î±-RuCl3. Nature Communications, 2021, 12, 4512.	5.8	47
15	Decomposition-Induced Room-Temperature Magnetism of the Na-Intercalated Layered Ferromagnet Fe_{3â€“x}GeTe₂. Nano Letters, 2019, 19, 5031-5035.	4.5	46
16	Surface Modification Strategies for Improving the Cycling Performance of Niâ€Rich Cathode Materials. European Journal of Inorganic Chemistry, 2020, 2020, 3117-3130.	1.0	46
17	Biogenic metalâ€“organic frameworks: 2,5-Furandicarboxylic acid as versatile building block. Microporous and Mesoporous Materials, 2013, 181, 217-221.	2.2	40
18	Trivalent Iridium Oxides: Layered Triangular Lattice Iridate K_{0.75}Na_{0.25}IrO₂ and Oxyhydroxide IrOOH. Chemistry of Materials, 2017, 29, 8338-8345.	3.2	35

#	Article	IF	Citations
19	Soft Chemical Synthesis of H_xCrS₂: An Antiferromagnetic Material with Alternating Amorphous and Crystalline Layers. Journal of the American Chemical Society, 2019, 141, 15634-15640.	6.6	31
20	Electrical Transport Signature of the Magnetic Fluctuation-Structure Relation in Î±-RuCl₃ Nanoflakes. Nano Letters, 2018, 18, 3203-3208.	4.5	28
21	Tuning the magnetoresistance of ultrathin WTe₂sheets by electrostatic gating. Nanoscale, 2016, 8, 18703-18709.	2.8	24
22	Single step synthesis of W-modified LiNiO₂ using an ammonium tungstate flux. Journal of Materials Chemistry A, 2022, 10, 7841-7855.	5.2	17
23	Tracing Low Amounts of Mg in the Doped Cathode Active Material LiNiO₂. Journal of the Electrochemical Society, 2022, 169, 030540.	1.3	15
24	Suppression of magnetic ordering in Fe-deficient <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Fe</mml:mi><mml:mrow><mml:mn>3</mml:mn></mml:mrow></mml:msub><mml:mi mathvariant="normal">Te</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math> from application of pressure. Physical Review B, 2020, 102, .	1.1	9
25	Crystal structure of barium oxonitridophosphate, Ba3P6O6N8. Zeitschrift Fur Kristallographie - New Crystal Structures, 2012, 227, 1-2.	0.1	7
26	Functional Engineering of Perovskite Nanosheets: Impact of Lead Substitution on Exfoliation in the Solid Solution RbCa_{2â€“x}Pb_xNb₃O₁₀. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2017, 643, 1668-1680.	0.6	6
27	A multipurpose laboratory diffractometer for operando powder X-ray diffraction investigations of energy materials. Journal of Applied Crystallography, 2022, 55, 503-514.	1.9	6
28	Synthesis, structural, and electronic properties of Sr_{1â^'x}Ca_xPdAs. Inorganic Chemistry Frontiers, 2020, 7, 2833-2839.	3.0	3
29	Anomalous electronic properties in layered, disordered ZnVSb. Physical Review Materials, 2021, 5, .	0.9	2
30	Probing the Lithium Substructure and Ionic Conductivity of the Solid Electrolyte Li₄PS₄I. Inorganic Chemistry, 2022, 61, 5885-5890.	1.9	2