

# Haifeng Feng

## List of Publications by Year in descending order

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44  
papers

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docs citations

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times ranked

3243  
citing authors

#	ARTICLE	IF	CITATIONS
1	Epitaxial growth of bilayer Bi(110) on two-dimensional ferromagnetic Fe <sub>3</sub> GeTe <sub>2</sub> . Journal of Physics Condensed Matter, 2022, 34, 074003.	0.7	5
2	First-principles study on the electronic structures and diffusion behaviors of intrinsic defects in BiOCl. Computational Materials Science, 2022, 203, 111088.	1.4	6
3	Technical evolution for the identification of Xenon: from microscopy to spectroscopy. , 2022, , 225-254.		0
4	Theoretical insights into nitrogen oxide activation on halogen defect-rich {001} facets of bismuth oxyhalide. Journal of Materials Science and Technology, 2021, 77, 217-222.	5.6	6
5	Gallium-Indium-Tin Liquid Metal Nanodroplet-Based Anisotropic Conductive Adhesives for Flexible Integrated Electronics. ACS Applied Nano Materials, 2021, 4, 550-557.	2.4	27
6	Application of Scanning Tunneling Microscopy in Electrocatalysis and Electrochemistry. Electrochemical Energy Reviews, 2021, 4, 249-268.	13.1	26
7	Kondo Holes in the Two-Dimensional Itinerant Ising Ferromagnet Fe <sub>3</sub> GeTe <sub>2</sub> . Nano Letters, 2021, 21, 6117-6123.	4.5	23
8	Recent Progress on 2D Kagome Magnets: Binary Tm <sub>m</sub> Sn <sub>n</sub> (T = Fe, Tj) ETQq0.0 rgBT /Overlock 1	1.8	13
9	Electric-Field-Driven Negative Differential Conductance in 2D van der Waals Ferromagnet Fe <sub>3</sub> GeTe <sub>2</sub> . Nano Letters, 2021, 21, 9233-9239.	4.5	10
10	Experimental Realization of Two-Dimensional Buckled Lieb Lattice. Nano Letters, 2020, 20, 2537-2543.	4.5	12
11	Thickness tunable Kerr nonlinearity in BiOBr nanoflakes. , 2020, , .		0
12	BiOBr nanoflakes with strong Kerr nonlinearity towards hybrid integrated photonic devices. , 2020, , .		1
13	Evidence for the dynamic relaxation behavior of oxygen vacancies in Aurivillius Bi <sub>2</sub> MoO <sub>6</sub> from dielectric spectroscopy during resistance switching. Journal of Materials Chemistry C, 2019, 7, 8915-8922.	2.7	10
14	Ultra-thin Ga nanosheets: analogues of high pressure Ga(III). Nanoscale, 2019, 11, 17201-17205.	2.8	7
15	Highly nonlinear BiOBr nanoflakes for hybrid integrated photonics. APL Photonics, 2019, 4, .	3.0	31
16	Super Large Sn <sup>1+</sup> Se Single Crystals with Excellent Thermoelectric Performance. ACS Applied Materials & Interfaces, 2019, 11, 8051-8059.	4.0	43
17	Van der Waals integration of silicene and hexagonal boron nitride. 2D Materials, 2019, 6, 035001.	2.0	17
18	A non-enzymatic photoelectrochemical glucose sensor based on BiVO <sub>4</sub> electrode under visible light. Sensors and Actuators B: Chemical, 2019, 291, 34-41.	4.0	67

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19	Role of Charge Density Wave in Monatomic Assembly in Transition Metal Dichalcogenides. <i>Advanced Functional Materials</i> , 2019, 29, 1900367.	7.8	28
20	Room temperature perpendicular exchange bias in CoNi/(Co,Ni)O multilayers with perpendicular magnetic anisotropy directly induced by FM/AFM interface. <i>Journal of Magnetism and Magnetic Materials</i> , 2019, 473, 490-494.	1.0	13
21	Formation mechanism of rhombohedral L11 phase in CoPt films grown on glass substrate. <i>Journal of Magnetism and Magnetic Materials</i> , 2019, 471, 406-410.	1.0	8
22	Activating Titania for Efficient Electrocatalysis by Vacancy Engineering. <i>ACS Catalysis</i> , 2018, 8, 4288-4293.	5.5	141
23	Realization of flat band with possible nontrivial topology in electronic Kagome lattice. <i>Science Advances</i> , 2018, 4, eaau4511.	4.7	131
24	Boosting potassium-ion batteries by few-layered composite anodes prepared via solution-triggered one-step shear exfoliation. <i>Nature Communications</i> , 2018, 9, 3645.	5.8	204
25	Dirac Signature in Germanene on Semiconducting Substrate. <i>Advanced Science</i> , 2018, 5, 1800207.	5.6	59
26	Band Gap Modulated by Electronic Superlattice in Blue Phosphorene. <i>ACS Nano</i> , 2018, 12, 5059-5065.	7.3	92
27	Enhanced Photocatalytic Activity of Bi <sub>24</sub> O <sub>31</sub> Br <sub>10</sub> : Constructing Heterojunction with BiOI. <i>Journal of Materials Science and Technology</i> , 2017, 33, 281-284.	5.6	31
28	The origin of enhanced photocatalytic activities of hydrogenated TiO <sub>2</sub> nanoparticles. <i>Dalton Transactions</i> , 2017, 46, 10694-10699.	1.6	24
29	Construction of 2D lateral pseudoheterostructures by strain engineering. <i>2D Materials</i> , 2017, 4, 025102.	2.0	31
30	Efficient visible-light photocatalysts by constructing dispersive energy band with anisotropic p and s-p hybridization states. <i>Current Opinion in Green and Sustainable Chemistry</i> , 2017, 6, 93-100.	3.2	28
31	Synthesis of Multilayer Silicene on Si(111)~Å-~Å-Ag. <i>Journal of Physical Chemistry C</i> , 2017, 121, 27182-27190.	1.5	34
32	Indirect-Direct Band Transformation of Few-Layer BiOCl under Biaxial Strain. <i>Journal of Physical Chemistry C</i> , 2016, 120, 8589-8594.	1.5	29
33	Nanodroplets for Stretchable Superconducting Circuits. <i>Advanced Functional Materials</i> , 2016, 26, 8111-8118.	7.8	158
34	Investigating the effect of UV light pre-treatment on the oxygen activation capacity of Au/TiO <sub>2</sub> . <i>Catalysis Science and Technology</i> , 2016, 6, 8188-8199.	2.1	14
35	Point defects in epitaxial silicene on Ag(111) surfaces. <i>2D Materials</i> , 2016, 3, 025034.	2.0	35
36	Quasi-freestanding epitaxial silicene on Ag(111) by oxygen intercalation. <i>Science Advances</i> , 2016, 2, e1600067.	4.7	138

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37	Magnetic field actuated manipulation and transfer of oil droplets on a stable underwater superoleophobic surface. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 16202-16207.	1.3	20
38	Metal-silicene interaction studied by scanning tunneling microscopy. <i>Journal of Physics Condensed Matter</i> , 2016, 28, 034002.	0.7	9
39	Modulation of Photocatalytic Properties by Strain in 2D BiOBr Nanosheets. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 27592-27596.	4.0	130
40	Honeycomb silicon: a review of silicene. <i>Science Bulletin</i> , 2015, 60, 1551-1562.	4.3	74
41	Variation of the coordination environment and its effect on the white light emission properties in a Mn-doped ZnO-ZnS complex structure. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 4544.	1.3	12
42	Effects of Oxygen Adsorption on the Surface State of Epitaxial Silicene on Ag(111). <i>Scientific Reports</i> , 2014, 4, 7543.	1.6	70
43	Silver microgrid transparent conductive electrode based on bulk plasmon effect for ultraviolet wavelength application. <i>Physica Status Solidi - Rapid Research Letters</i> , 2013, 7, 1071-1075.	1.2	5
44	Fabrication and UV-sensing properties of one-dimensional $\text{In}_2\text{Ga}_2\text{O}_3$ nanomaterials. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2013, 210, 1861-1865.	0.8	15