

# Qingyu Xu

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1167749/publications.pdf>

Version: 2024-02-01

93  
papers

1,786  
citations

377584

21  
h-index

340414

39  
g-index

93  
all docs

93  
docs citations

93  
times ranked

4010  
citing authors

#	ARTICLE	IF	CITATIONS
1	The magnetic properties of multiferroic Ba <sub>5</sub> Fe <sub>3</sub> F <sub>19</sub> . Journal of Magnetism and Magnetic Materials, 2022, 541, 168541.	1.0	2
2	O Plasma Treatment Enhanced Room Temperature Ferromagnetism in MoS <sub>2</sub> . Journal of Superconductivity and Novel Magnetism, 2022, 35, 501-506.	0.8	4
3	Black Phosphorus Quantum Dot-Engineered Tin Oxide Electron Transport Layer for Highly Stable Perovskite Solar Cells with Negligible Hysteresis. ACS Applied Materials & Interfaces, 2022, 14, 11264-11272.	4.0	15
4	Magnetic phase transition induced ferroelectric polarization in BaFeF <sub>4</sub> with room-temperature weak ferromagnetism. Physical Review Materials, 2022, 6, .	0.0	0
5	Anisotropic magnetostructural transition in epitaxial MnNiCoTi Heusler alloy thin film. Journal of Applied Physics, 2022, 131, 173902.	1.1	2
6	High-performance Li/Na hybrid-ion batteries with nonstoichiometric Li <sub>2.7</sub> V <sub>2.1</sub> (PO <sub>4</sub> ) <sub>3</sub> /C as cathode material. Journal of Alloys and Compounds, 2022, 914, 165182.	2.8	2
7	Epitaxial growth of high-entropy alloy thin film with spontaneous exchange bias. Journal of Applied Physics, 2022, 131, 233904.	1.1	2
8	Electric Control of Exchange Bias at Room Temperature by Resistive Switching via Electrochemical Metallization. ACS Applied Materials & Interfaces, 2022, 14, 26941-26948.	4.0	7
9	Improving photovoltaic effect of inorganic perovskite by resistive switching using various electrode materials. Journal of Alloys and Compounds, 2021, 859, 157767.	2.8	0
10	Dynamics of interfacial carriers and negative photoconductance in CH <sub>3</sub> NH <sub>3</sub> PbBr <sub>3</sub> -ZnO heterostructure. Applied Physics Letters, 2021, 118, .	1.5	8
11	Strain Control of Phase Transition and Exchange Bias in Flexible Heusler Alloy Thin Films. ACS Applied Materials & Interfaces, 2021, 13, 24285-24294.	4.0	12
12	High-Stability Patterned CsPbI <sub>3</sub> Br <sub>3</sub> Thin Films with Tunable Crystal Size Prepared by Solid-Phase Reaction. Advanced Optical Materials, 2021, 9, 2101175.	3.6	5
13	Room temperature multiferroic BaMnF <sub>4</sub> films. Journal of Magnetism and Magnetic Materials, 2020, 494, 165782.	1.0	4
14	Dual Stabilized Architecture of Si@SiO <sub>2</sub> /N-Doped Carbon Composite Synthesized via Oxygen Plasma Method as Anode for High-performance LIBs. Chemistry Letters, 2020, 49, 423-427.	0.7	5
15	Enhanced room temperature ferromagnetism in MoS <sub>2</sub> by N plasma treatment. AIP Advances, 2020, 10, .	0.6	6
16	Electric control of exchange bias in Co/FeOx bilayer by resistive switching. AIP Advances, 2020, 10, 015306.	0.6	6
17	Room temperature multiferroism in BaCoF <sub>4</sub> films prepared by pulsed laser deposition. Applied Physics Letters, 2020, 116, .	1.5	5
18	Effects of Resistance States on the Magnetoresistance in Ni/Al <sub>2</sub> O <sub>3</sub> /Ni by Resistive Switching. Journal of Superconductivity and Novel Magnetism, 2020, 33, 1905-1909.	0.8	0

#	ARTICLE	IF	CITATIONS
19	<i>In Situ</i> Electron Microscopy Investigation of Sodiation of Titanium Disulfide Nanoflakes. ACS Nano, 2019, 13, 9421-9430.	7.3	30
20	3D Porous Spherical Sulfur/Carbon Cathode Materials with in Situ Vapor-Phase Polymerized Polypyrrole Coating Layer for High-Performance Lithium-Sulfur Batteries. ACS Sustainable Chemistry and Engineering, 2019, 7, 17491-17499.	3.2	21
21	Pulsed Laser Deposition of CsPbBr <sub>3</sub> Films for Application in Perovskite Solar Cells. ACS Applied Energy Materials, 2019, 2, 2305-2312.	2.5	46
22	Enhanced Visible Light Photocatalytic Performance of G-C <sub>3</sub> N <sub>4</sub> Photocatalysts Co-Doped with Gold and Sulfur for Degradation of Persistent Pollutant (Rhodamine B). Journal of Nanoscience and Nanotechnology, 2019, 19, 713-720.	0.9	17
23	Structure Evolution of CH <sub>3</sub> NH <sub>3</sub> PbBr <sub>3</sub> Single Crystal Grown in N,N-Dimethylformamide Solution. Crystal Growth and Design, 2018, 18, 3132-3137.	1.4	13
24	High-Performance Transparent Conducting Metal Network Electrodes for Perovskite Photodetectors. ACS Applied Materials & Interfaces, 2018, 10, 1996-2003.	4.0	33
25	Oxygen vacancies mediated ferromagnetism in hydrogenated Zn <sub>0.9</sub> Co <sub>0.1</sub> O film. AIP Advances, 2018, 8, .	0.6	6
26	Post-healing of defects: an alternative way for passivation of carbon-based mesoscopic perovskite solar cells via hydrophobic ligand coordination. Journal of Materials Chemistry A, 2018, 6, 2449-2455.	5.2	66
27	Enhanced ferromagnetism in BaNiF <sub>4</sub> film. Journal of Alloys and Compounds, 2018, 741, 265-268.	2.8	6
28	Comparative Study of Pure g-C <sub>3</sub> N <sub>4</sub> and Sulfur-Doped g-C <sub>3</sub> N <sub>4</sub> Catalyst Performance in Photo-Degradation of Persistent Pollutant Under Visible Light. Journal of Nanoscience and Nanotechnology, 2018, 18, 4142-4154.	0.9	28
29	Reduced interfacial magnetic moment of Y <sub>3</sub> Fe <sub>5</sub> O <sub>12</sub> by capping Pt. Applied Physics Letters, 2018, 113, 182402.	1.5	7
30	Improving the photovoltaic effect by resistive switching. Applied Physics Letters, 2018, 113, 133901.	1.5	5
31	Photodetectors: High Performance and Stable All-Inorganic Metal Halide Perovskite-Based Photodetectors for Optical Communication Applications (Adv. Mater. 38/2018). Advanced Materials, 2018, 30, 1870288.	11.1	8
32	High Performance and Stable All-Inorganic Metal Halide Perovskite-Based Photodetectors for Optical Communication Applications. Advanced Materials, 2018, 30, e1803422.	11.1	342
33	Self-Assembled Growth of Ultrastable CH <sub>3</sub> NH <sub>3</sub> PbBr <sub>3</sub> Perovskite Milliwires for Photodetectors. ACS Applied Materials & Interfaces, 2018, 10, 25763-25769.	4.0	37
34	Application of Compact TiO <sub>2</sub> Layer Fabricated by Pulsed Laser Deposition in Organometal Trihalide Perovskite Solar Cells. Solar Rrl, 2018, 2, 1800097.	3.1	20
35	Off-stoichiometric Na <sub>3-x</sub> V <sub>2+x</sub> (PO <sub>4</sub> ) <sub>3</sub> /C nanocomposites as cathode materials for high-performance sodium-ion batteries prepared by high-energy ball milling. RSC Advances, 2018, 8, 20319-20326.	1.7	8
36	Room-temperature ferrimagnetic multiferroic BiFeO <sub>3</sub> /C <sub>0.5</sub> nanocomposites for thin film photodetectors. Journal of Materials Chemistry A, 2018, 6, 2449-2455.	0.9	12

#	ARTICLE	IF	CITATIONS
37	Core-shell-structured $\text{Li}_3\text{V}_2(\text{PO}_4)_3$ $\text{LiVOPO}_4$ nanocomposites cathode for high-rate and long-life lithium-ion batteries. RSC Advances, 2017, 7, 3101-3107.	1.7	9
38	Enhanced ferromagnetism in $\text{BiFeO}_3$ powders by rapid combustion of graphite powders. AIP Advances, 2017, 7, 055803.	0.6	1
39	The magnetic properties of multiferroic $\text{BaCoF}_4$ . AIP Advances, 2017, 7, .	0.6	6
40	Polarization fatigue of $\text{BiFeO}_3$ films with ferromagnetic metallic electrodes. AIP Advances, 2017, 7, .	0.6	3
41	Crystal structure and electron transition underlying photoluminescence of methylammonium lead bromide perovskites. Journal of Materials Chemistry C, 2017, 5, 7739-7745.	2.7	58
42	Identifying the Conversion Mechanism of $\text{NiCo}_2\text{O}_4$ during Sodiation-Desodiation Cycling by In Situ TEM. Advanced Functional Materials, 2017, 27, 1606163.	7.8	39
43	Lasing mode evolution and regulation of the perovskite $\text{CH}_3\text{NH}_3\text{PbBr}_3$ . Journal of Materials Chemistry C, 2017, 5, 9238-9241.	2.7	19
44	Preparation of $\text{CH}_3\text{NH}_3\text{PbI}_3$ thin films with tens of micrometer scale at high temperature. Scientific Reports, 2017, 7, 8458.	1.6	16
45	Ferromagnetic photocatalysts of $\text{FeTiO}_3$ $\text{Fe}_2\text{O}_3$ nanocomposites. RSC Advances, 2017, 7, 54594-54602.	1.7	8
46	The wasp-waisted hysteresis loop and exchange bias in multiferroic $\text{BaNiF}_4$ . AIP Advances, 2017, 7, 055827.	0.6	11
47	Synthesizing nonstoichiometric $\text{Li}_{3-3x}\text{V}_{2+x}(\text{PO}_4)_3/\text{C}$ as cathode materials for high-performance lithium-ion batteries by solid state reaction. RSC Advances, 2017, 7, 32721-32726.	1.7	6
48	A sacrificial layer strategy for photolithography on highly hydrophobic surface and its application for electrowetting devices. Scientific Reports, 2017, 7, 3983.	1.6	16
49	The Multiferroic Properties of $\text{Bi}_x\text{FeO}_3$ and $\text{Bi}_{1-y}\text{Li}_y\text{FeO}_3$ . Journal of Superconductivity and Novel Magnetism, 2016, 29, 1821-1825.	0.8	1
50	A CTAB-modified S/C nanocomposite cathode for high performance $\text{Li-S}$ batteries. RSC Advances, 2016, 6, 92621-92628.	1.7	2
51	Synthesis, Optical, and Magnetic Properties of $\text{Ba}_2\text{Ni}_3\text{F}_{10}$ Nanowires. ACS Applied Materials & Interfaces, 2016, 8, 26213-26219.	4.0	4
52	Reversible voltage dependent transition of abnormal and normal bipolar resistive switching. Scientific Reports, 2016, 6, 36953.	1.6	24
53	$\text{Li}_3\text{V}_2(\text{PO}_4)_3$ encapsulated flexible free-standing nanofabric cathodes for fast charging and long life-cycle lithium-ion batteries. Nanoscale, 2016, 8, 7408-7415.	2.8	49
54	Room temperature ferromagnetic $\text{Zn}_{0.98}\text{Co}_{0.02}\text{O}$ powders with improved visible-light photocatalysis. RSC Advances, 2016, 6, 6761-6767.	1.7	9

#	ARTICLE	IF	CITATIONS
55	Magnetolectricity coupled exchange bias in BaMnF <sub>4</sub> . Scientific Reports, 2015, 5, 18392.	1.6	20
56	Magnetic interactions in BiFe <sub>0.5</sub> Mn <sub>0.5</sub> O <sub>3</sub> films and BiFeO <sub>3</sub> /BiMnO <sub>3</sub> superlattices. Scientific Reports, 2015, 5, 9093.	1.6	40
57	Magneto-resistance of (CH <sub>3</sub> ) <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> -Coated La <sub>0.67</sub> Sr <sub>0.33</sub> MnO <sub>3</sub> Granular Composites. IEEE Transactions on Magnetics, 2015, 51, 1-4.	1.2	2
58	The Multiferroic Properties of BiFeO <sub>3</sub> -Na <sub>0.5</sub> Bi <sub>0.5</sub> TiO <sub>3</sub> Solid Solution Ceramics. IEEE Transactions on Magnetics, 2015, 51, 1-4.	1.2	4
59	Preparation of g-C <sub>3</sub> N <sub>4</sub> /BiOX (X=Cl, Br, I) composites, and their photocatalytic activity under visible light irradiation. Research on Chemical Intermediates, 2015, 41, 6941-6955.	1.3	33
60	Preparation of WO <sub>3</sub> /g-C <sub>3</sub> N <sub>4</sub> composites and their enhanced photodegradation of contaminants in aqueous solution under visible light irradiation. Reaction Kinetics, Mechanisms and Catalysis, 2015, 114, 357-367.	0.8	40
61	Interstitial H <sup>+</sup> -Mediated Ferromagnetism in Co-Doped ZnS. Journal of Superconductivity and Novel Magnetism, 2015, 28, 1389-1393.	0.8	7
62	Wetting and non-wetting behavior of abrasive paper for oil water separation and oil spill cleanup. Research on Chemical Intermediates, 2015, 41, 8019-8029.	1.3	6
63	Off-stoichiometric Li <sub>3-3V<sub>2</sub>+(PO<sub>4</sub>)<sub>3</sub>/C as cathode materials for high-performance lithium-ion batteries. Journal of Power Sources, 2015, 293, 922-928.</sub>	4.0	10
64	Investigation on Spin Dependent Transport Properties of Core-Shell Structural Fe <sub>3</sub> O <sub>4</sub> /ZnS Nanocomposites for Spintronic Application. Scientific Reports, 2015, 5, 11164.	1.6	25
65	Ferromagnetism of three-dimensional graphene framework. RSC Advances, 2015, 5, 92899-92904.	1.7	11
66	Orientation-dependent magnetism and orbital structure of strained YTiO <sub>3</sub> films on LaAlO <sub>3</sub> substrates. Journal of Applied Physics, 2015, 117, 17C703.	1.1	4
67	Batch and column adsorption of dye contaminants using a low-cost sand adsorbent. Research on Chemical Intermediates, 2015, 41, 6999-7013.	1.3	4
68	Visible light-induced photodegradation of rhodamine dyes over BiOCl, and the vital importance of the frontier orbital energy of the dye molecules in the reaction kinetics. Research on Chemical Intermediates, 2015, 41, 2753-2766.	1.3	8
69	The multiferroic properties of polycrystalline Bi <sub>1-x</sub> Y <sub>x</sub> FeO <sub>3</sub> films. Journal of Applied Physics, 2014, 115, 17D902.	1.1	13
70	Facile preparation of g-C <sub>3</sub> N <sub>4</sub> modified BiOCl hybrid photocatalyst and vital role of frontier orbital energy levels of model compounds in photoactivity enhancement. Journal of Colloid and Interface Science, 2014, 416, 212-219.	5.0	113
71	The absence of exchange bias with (001)-oriented tetragonal-like BiFeO <sub>3</sub> films. Physica Status Solidi (B): Basic Research, 2014, 251, 892-897.	0.7	3
72	Synthesis of RhB/BiOBr Hybrid Photocatalyst and its Utilization in Enhanced Degradation of Methyl Orange Via Visible-light Induced Photosensitization Process. Journal of Advanced Oxidation Technologies, 2014, 17, .	0.5	1

#	ARTICLE	IF	CITATIONS
73	The Origin of Enhanced Room Temperature Ferromagnetism in Ba Doped BiFeO <sub>3</sub> . Journal of Superconductivity and Novel Magnetism, 2013, 26, 3309-3313.	0.8	13
74	The Multiferroic Properties of Zn Doped BiFeO <sub>3</sub> Thin Films. Journal of Superconductivity and Novel Magnetism, 2013, 26, 2785-2789.	0.8	16
75	Temperature dependent exchange bias effect in polycrystalline BiFeO <sub>3</sub> /FM (FM = NiFe, Co) bilayers. European Physical Journal B, 2013, 86, 1.	0.6	16
76	BiFeO <sub>3</sub> thickness dependence of the exchange bias in polycrystalline BiFeO <sub>3</sub> /NiFe bilayers. Journal of the Korean Physical Society, 2013, 62, 1950-1953.	0.3	0
77	450 nm visible light-induced photosensitized degradation of Rhodamine B molecules over BiOBr in aqueous solution. Reaction Kinetics, Mechanisms and Catalysis, 2013, 109, 247-258.	0.8	18
78	Giant Hall effect of (Ni <sub>0.90</sub> Co <sub>0.10</sub> ) <sub>x</sub> (SiO <sub>2</sub> ) <sub>1-x</sub> nanogranular films at percolation threshold. Phase Transitions, 2013, 86, 561-569.	0.8	2
79	Electrical instability of amorphous indium-gallium-zinc oxide thin film transistors under monochromatic light illumination. Applied Physics Letters, 2012, 100, 243505.	1.5	82
80	The Synthesis of Single-Crystalline BaFe <sub>2</sub> O <sub>9</sub> Nanoparticles by Molten-Salt Method with Surfactant NP-9. Journal of Superconductivity and Novel Magnetism, 2012, 25, 2421-2424.	0.8	3
81	Interference effects on indium tin oxide enhanced Raman scattering. Journal of Applied Physics, 2012, 111, .	1.1	9
82	The ferromagnetic and ferroelectric properties of (Bi <sub>0.9</sub> La <sub>0.1</sub> )(Fe <sub>0.95</sub> Co <sub>0.05</sub> )O <sub>3</sub> . Physica Status Solidi C: Current Topics in Solid State Physics, 2012, 9, 133-136.	0.8	0
83	The Bipolar Resistive Switching in BiFeO <sub>3</sub> Films. Journal of Superconductivity and Novel Magnetism, 2012, 25, 1139-1144.	0.8	3
84	Forming-Free Unipolar Resistive Switching in BiFe <sub>0.95</sub> Co <sub>0.05</sub> O <sub>3</sub> Films. Journal of Superconductivity and Novel Magnetism, 2012, 25, 1679-1682.	0.8	1
85	Room-Temperature Ferromagnetism in Co-doped ZnO Prepared by Microemulsion. Journal of Superconductivity and Novel Magnetism, 2012, 25, 1951-1956.	0.8	10
86	Room Temperature Giant Hall Effect in (Ni <sub>0.61</sub> Fe <sub>0.39</sub> ) <sub>x</sub> (Al <sub>2</sub> O <sub>3</sub> ) <sub>1-x</sub> Percolating Nanogranular Films. Journal of Superconductivity and Novel Magnetism, 2012, 25, 137-140.	0.8	0
87	Room temperature ferromagnetism in ZnO prepared by microemulsion. AIP Advances, 2011, 1, 032127.	0.6	11
88	The Multiferroic Properties of (Bi <sub>0.9</sub> Ba <sub>0.1</sub> )(Fe <sub>0.95</sub> Mn <sub>0.05</sub> )O <sub>3</sub> Films. Journal of Superconductivity and Novel Magnetism, 2011, 24, 1497-1500.	0.8	5
89	Room Temperature Magnetism in Co-doped ZnO Nanorods. Journal of Superconductivity and Novel Magnetism, 2011, 24, 1767-1771.	0.8	5
90	Room Temperature Multiferroicity in Zn <sub>0.98</sub> Cu <sub>0.02</sub> O Film Prepared in N Plasma. Journal of Superconductivity and Novel Magnetism, 2011, 24, 2119-2122.	0.8	0

#	ARTICLE	IF	CITATIONS
91	Cluster spin glass behavior in Bi(Fe <sub>0.95</sub> Co <sub>0.05</sub> )O <sub>3</sub> . Journal of Applied Physics, 2010, 107, 093920.	1.1	33
92	The magnetic properties of Bi(Fe <sub>0.95</sub> Co <sub>0.05</sub> )O <sub>3</sub> ceramics. Applied Physics Letters, 2009, 95, .	1.5	110
93	Spinel ferrite nanocrystals embedded inside ZnO: Magnetic, electronic, and magnetotransport properties. Physical Review B, 2009, 80, .	1.1	33