

Huaiwu Zhang

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/1835283/huaiwu-zhang-publications-by-year.pdf>
Version: 2024-04-10

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.
The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

46 papers	1,852 citations	17 h-index	43 g-index
54 ext. papers	2,390 ext. citations	5.9 avg, IF	5.61 L-index

#	Paper	IF	Citations
46	Influence of CuO additive on phase formation, microstructure and microwave dielectric properties of Cu-doped $\text{Cu}_x\text{Zn}_{1.8-x}\text{SiO}_{3.8}$ ceramics. <i>Applied Physics A: Materials Science and Processing</i> , 2022 , 128, 1	2.6	0
45	Carbon-Graphitic Carbon Nitride Hybrids for Heterogeneous Photocatalysis. <i>Small</i> , 2021 , 17, e2005231	11	37
44	Ti ⁴⁺ modified $\text{MgZrNb}_2\text{O}_8$ microwave dielectric ceramics with an ultra-high quality factor. <i>Journal of the American Ceramic Society</i> , 2021 , 104, 6054-6063	3.8	0
43	High-Performance Multifunctional Photodetector and THz Modulator Based on Graphene/TiO ₂ /p-Si Heterojunction. <i>Nanoscale Research Letters</i> , 2021 , 16, 134	5	0
42	Twisted Magnon as a Magnetic Tweezer. <i>Physical Review Letters</i> , 2020 , 124, 217204	7.4	13
41	Porous graphitic carbon nitride for solar photocatalytic applications. <i>Nanoscale Horizons</i> , 2020 , 5, 765-786	6.8	79
40	Grain growth and tunable ferromagnetic resonance linewidth of low-temperature sintering NiCuZn ferromagnetic ferrites. <i>Journal of Materials Science: Materials in Electronics</i> , 2020 , 31, 2845-2853	2.1	2
39	Synthesis and photocatalytic H ₂ -production activity of plasma-treated Ti ₃ C ₂ T _x MXene modified graphitic carbon nitride. <i>Journal of the American Ceramic Society</i> , 2020 , 103, 849-858	3.8	20
38	Effects of Bi ₂ O ₃ -MnO ₂ additives on tunable microstructure and magnetic properties of low temperature co-fired NiCuZn ferrite ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , 2020 , 31, 12325-12332	2.1	4
37	Ti ₃ C ₂ T _x MXene Sponge Composite as Broadband Terahertz Absorber. <i>Advanced Optical Materials</i> , 2020 , 8, 2001120	8.1	36
36	High-quality factor of (1-x) Li ₂ Mg ₃ TiO ₆ -xBaV ₂ O ₆ (x = 0.1, 0.3, 0.4, 0.5, 0.6) ceramics with low sintering temperature. <i>Journal of Materials Science: Materials in Electronics</i> , 2020 , 31, 8489-8495	2.1	
35	Interfacial modification of titanium dioxide to enhance photocatalytic efficiency towards H ₂ production. <i>Journal of Colloid and Interface Science</i> , 2019 , 556, 376-385	9.3	44
34	Two-Dimensional Transition Metal MXene-Based Photocatalysts for Solar Fuel Generation. <i>Journal of Physical Chemistry Letters</i> , 2019 , 10, 3488-3494	6.4	125
33	One-Step Solid-Phase Synthesis of 2D Ultrathin CdS Nanosheets for Enhanced Visible-Light Photocatalytic Hydrogen Evolution. <i>Solar Rrl</i> , 2019 , 3, 1900062	7.1	48
32	Constructing functionalized plasmonic gold/titanium dioxide nanosheets with small gold nanoparticles for efficient photocatalytic hydrogen evolution. <i>Journal of Colloid and Interface Science</i> , 2019 , 555, 94-103	9.3	91
31	Microstructure, magnetic-dielectric properties of flexible composite film for high frequency applications. <i>Ceramics International</i> , 2019 , 45, 6350-6355	5.1	7
30	Topological Magnonics: A Paradigm for Spin-Wave Manipulation and Device Design. <i>Physical Review Applied</i> , 2018 , 9,	4.3	66

29	All-Carbon-Electrode-Based Endurable Flexible Perovskite Solar Cells. <i>Advanced Functional Materials</i> , 2018 , 28, 1706777	15.6	203
28	A Facile Method for Loading CeO Nanoparticles on Anodic TiO Nanotube Arrays. <i>Nanoscale Research Letters</i> , 2018 , 13, 89	5	4
27	CdS-Based photocatalysts. <i>Energy and Environmental Science</i> , 2018 , 11, 1362-1391	35.4	765
26	Perovskite Solar Cells: All-Carbon-Electrode-Based Endurable Flexible Perovskite Solar Cells (Adv. Funct. Mater. 11/2018). <i>Advanced Functional Materials</i> , 2018 , 28, 1870069	15.6	2
25	Fabrication of Heterostructured Metal Oxide/TiO Nanotube Arrays Prepared via Thermal Decomposition and Crystallization. <i>Inorganic Chemistry</i> , 2018 , 57, 10249-10256	5.1	6
24	Proximity-Induced Magnetic Order in a Transferred Topological Insulator Thin Film on a Magnetic Insulator. <i>ACS Nano</i> , 2018 , 12, 5042-5050	16.7	31
23	Investigation of grain boundary diffusion and grain growth of lithium zinc ferrites with low activation energy. <i>Journal of the American Ceramic Society</i> , 2018 , 101, 5037-5045	3.8	23
22	Controllably degradable transient electronic antennas based on water-soluble PVA/TiO ₂ films. <i>Journal of Materials Science</i> , 2018 , 53, 2638-2647	4.3	43
21	A Facile Method for Preparation of CuO-TiO NTA Heterojunction with Visible-Photocatalytic Activity. <i>Nanoscale Research Letters</i> , 2018 , 13, 221	5	25
20	Enhanced grain-boundary diffusion on power loss of low-temperature-fired NiCuZn ferrites for high-frequency power supplies. <i>Applied Physics A: Materials Science and Processing</i> , 2018 , 124, 1	2.6	4
19	Synthesis of Highly Uniform and Compact Lithium Zinc Ferrite Ceramics via an Efficient Low Temperature Approach. <i>Inorganic Chemistry</i> , 2017 , 56, 4513-4521	5.1	35
18	Effect of ZnO-B ₂ O ₃ -Bi ₂ O ₃ glass additive on magnetic properties of low-sintering Li _{0.43} Zn _{0.27} Ti _{0.13} Fe _{2.17} O ₄ ferrites. <i>Journal of Materials Science: Materials in Electronics</i> , 2016 , 27, 811-817	2.1	9
17	Dielectric properties of ultralow-fired Mg ₄ Nb ₂ O ₉ ceramics co-doped with TiO ₂ and LiF. <i>Journal of Materials Science: Materials in Electronics</i> , 2016 , 27, 1553-1557	2.1	4
16	Magnetic properties of lithium zinc ferrites synthesized by microwave sintered method. <i>AIP Advances</i> , 2016 , 6, 055936	1.5	
15	Low Temperature Firing of Li _{0.43} Zn _{0.27} Ti _{0.13} Fe _{2.17} O ₄ Ferrites with Enhanced Magnetic Properties. <i>Journal of the American Ceramic Society</i> , 2015 , 98, 2556-2560	3.8	38
14	Open-top TiO ₂ nanotube arrays with enhanced photovoltaic and photochemical performances via a micromechanical cleavage approach. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 14279-14283	13	13
13	Ferromagnetism at room temperature in Cr-doped anodic titanium dioxide nanotubes. <i>Journal of Applied Physics</i> , 2014 , 115, 17C304	2.5	15
12	Low-temperature firing and microwave properties of TiO ₂ modified Li ₂ ZnTi ₃ O ₈ ceramics doped with B ₂ O ₃ . <i>Journal of Materials Science: Materials in Electronics</i> , 2013 , 24, 3303-3308	2.1	10

11	Microstructure and Electromagnetic Properties of Microwave Sintered NiCuZn+CCTO Composites Materials for Application in LTCC Devices. <i>IEEE Transactions on Magnetics</i> , 2013 , 49, 4204-4206	2	1
10	Dramatic Reduction of FMR Linewidth in Epitaxial $\text{Pb}(\text{ZrTi})\text{O}_{3-x}\text{-NiFe}_2\text{O}_4$ Nanocomposite Films. <i>IEEE Transactions on Magnetics</i> , 2013 , 49, 4299-4302	2	1
9	Low-Temperature Sintering and Microwave Dielectric Properties of $(\text{Mg}_{0.95}\text{Zn}_{0.05})_2(\text{Ti}_{0.8}\text{Sn}_{0.2})\text{O}_4/(\text{Ca}_{0.8}\text{Sr}_{0.2})\text{TiO}_3$ Composite Ceramics. <i>Journal of the American Ceramic Society</i> , 2013 , 96, 3114-3119	3.8	13
8	Magnetic and Mössbauer Studies of $\text{Mn}_{0.679-x}\text{Zn}_{0.256}\text{Ti}_x\text{Fe}_{2.066}\text{O}_4$ Spinel Ferrites: Effect of Cation Distribution. <i>IEEE Transactions on Magnetics</i> , 2013 , 49, 4277-4280	2	4
7	Microwave/Millimeter-Wave Garnet Films. <i>IEEE Transactions on Magnetics</i> , 2011 , 47, 295-299	2	7
6	Electromagnetic design of a magnetically suspended gyroscope prototype 2009 ,		2
5	Magnetic force microscopy investigation of the static magnetic domain structure and domain rotation in Fe-x at. %Ga alloys. <i>Applied Physics Letters</i> , 2009 , 95, 152511	3.4	12
4	Research status and development of magnetically suspended rotor gyroscopes 2009 ,		1
3	Electromagnetic Properties of a New Ferrite-Ceramic Composite Material. <i>IEEE Transactions on Magnetics</i> , 2009 , 45, 4314-4316	2	5
2	A multilayer low pass filter fabricated by ferrite and ceramic cofiring system based on LTCC technology 2009 ,		4
1	Enhanced magnetic properties of low-temperature sintered LiZnTiMn ferrites with $\text{Bi}_2\text{O}_3\text{-NiO}$ additive. <i>Journal of Materials Science: Materials in Electronics</i> , 2009 , 20, 1055-1060	2.1	0