

# Hongtao Zhao

## List of Publications by Year in descending order

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22  
papers

1,733  
citations

686830

13  
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713013

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22  
all docs

22  
docs citations

22  
times ranked

1955  
citing authors

#	ARTICLE	IF	CITATIONS
1	Metal organic framework-derived Fe/C nanocubes toward efficient microwave absorption. <i>Journal of Materials Chemistry A</i> , 2015, 3, 13426-13434.	5.2	560
2	Constructing Uniform Core-shell PPy@PANI Composites with Tunable Shell Thickness toward Enhancement in Microwave Absorption. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 20090-20099.	4.0	424
3	Unveiling the Structural Descriptor of $A_{3}B_{2}X_{9}$ Perovskite Derivatives toward X-Ray Detectors with Low Detection Limit and High Stability. <i>Advanced Functional Materials</i> , 2020, 30, 1910648.	7.8	144
4	Microwave absorption enhancement of $Fe_{3}O_{4}$ /polyaniline core/shell hybrid microspheres with controlled shell thickness. <i>Journal of Applied Polymer Science</i> , 2013, 130, 1909-1916.	1.3	134
5	Recent progress in the applications of graphene in surface-enhanced Raman scattering and plasmon-induced catalytic reactions. <i>Journal of Materials Chemistry C</i> , 2015, 3, 9024-9037.	2.7	113
6	Synthesis of Electromagnetic Functionalized Barium Ferrite Nanoparticles Embedded in Polypyrrole. <i>Journal of Physical Chemistry B</i> , 2008, 112, 2775-2781.	1.2	111
7	Embedding $Cs_{3}Cu_{2}I_{5}$ Scintillators into Anodic Aluminum Oxide Matrix for High-Resolution X-Ray Imaging. <i>Advanced Optical Materials</i> , 2021, 9, 2101194.	3.6	48
8	$\gamma$ -irradiation induced one-step synthesis of electromagnetic functionalized reduced graphene oxide-Ni nanocomposites. <i>RSC Advances</i> , 2014, 4, 30467-30470.	1.7	34
9	Preparation and electromagnetic properties of multiwalled carbon nanotubes/Ni composites by $\gamma$ -irradiation technique. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2010, 167, 1-5.	1.7	33
10	Precursor-directed synthesis of quasi-spherical barium ferrite particles with good dispersion and magnetic properties. <i>CrystEngComm</i> , 2013, 15, 808-815.	1.3	31
11	Field-Assisted Synthesis and Electromagnetic Properties of Aligned Magnetic Nanostructures by $\gamma$ -Irradiation Induced Reduction. <i>Journal of Physical Chemistry C</i> , 2010, 114, 21214-21218.	1.5	18
12	Cleaning synthesis of core-shell structured Ni@PPy composite as excellent lightweight electromagnetic wave absorber. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 1483-1490.	1.1	17
13	A highly robust $Ce^{3+}$ -doped and $Gd^{3+}$ -mixed $KLaF_{4}$ nano-glass composite scintillator. <i>Journal of Materials Chemistry C</i> , 2021, 9, 17504-17510.	2.7	15
14	Cornstalek-derived macroporous carbon materials with enhanced microwave absorption. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 25758-25768.	1.1	13
15	Effect of $\gamma$ -irradiation on the physicochemical and functional properties of rice protein. <i>Food Science and Technology</i> , 0, 42, .	0.8	11
16	Gamma irradiation induced synthesis of electromagnetic functionalized aligned $Co_{x}Ni_{1-x}$ alloy nanobundles. <i>RSC Advances</i> , 2016, 6, 72263-72268.	1.7	8
17	The impact of the oil and gas industry on NORMs of groundwater and their annual effective dose in Ma'rib, central Yemen. <i>Acta Geophysica</i> , 2020, 68, 1421-1431.	1.0	5
18	The gross $\gamma$ and $\beta$ radioactivity levels of drinking water source in one oil industrial city in northeast China. <i>Radiation Medicine and Protection</i> , 2021, 2, 61-66.	0.4	5

#	ARTICLE	IF	CITATIONS
19	A sector deposition mechanism of carbon onions operated in a large discharge furnace. Fullerenes Nanotubes and Carbon Nanostructures, 2021, 29, 156-162.	1.0	4
20	Analysis of Burnup effects and Its Integrity Assessment in the Interim of Irradiation with Molecular Dynamics. MRS Advances, 2020, 5, 1799-1810.	0.5	2
21	Degradation of representative perfluorinated and hydrocarbon surfactants by electron beam irradiation. Journal of Radioanalytical and Nuclear Chemistry, 2022, 331, 1691-1699.	0.7	2
22	Gamma-irradiation induced direct fabrication of SERS-active Ag nanoparticles on glass substrates. RSC Advances, 2014, 4, 20247-20251.	1.7	1