

# Honghao Yan

## List of Publications by Year in descending order

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46  
papers

736  
citations

567281

15  
h-index

580821

25  
g-index

46  
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46  
docs citations

46  
times ranked

757  
citing authors

#	ARTICLE	IF	CITATIONS
1	Preparation and characterization of graphite nanosheets from detonation technique. <i>Materials Letters</i> , 2008, 62, 703-706.	2.6	129
2	Synthesis and characterization of carbon-encapsulated iron/iron carbide nanoparticles by a detonation method. <i>Carbon</i> , 2010, 48, 3858-3863.	10.3	85
3	<i>In situ</i> fabrication of carbon dots-based lubricants using a facile ultrasonic approach. <i>Green Chemistry</i> , 2019, 21, 2279-2285.	9.0	70
4	Characterization and photocatalytic properties of nano-Fe <sub>2</sub> O <sub>3</sub> @TiO <sub>2</sub> composites prepared through the gaseous detonation method. <i>Ceramics International</i> , 2017, 43, 14334-14339.	4.8	33
5	Structural engineering design of carbon dots for lubrication. <i>Chinese Chemical Letters</i> , 2021, 32, 2693-2714.	9.0	30
6	Effect of Initial Hardness on Interfacial Features in Underwater Explosive Welding of Tool Steel SKS3. <i>Journal of Materials Engineering and Performance</i> , 2014, 23, 421-428.	2.5	29
7	Characterization and photocatalytic properties of SnO <sub>2</sub> @TiO <sub>2</sub> nanocomposites prepared through gaseous detonation method. <i>Ceramics International</i> , 2017, 43, 1517-1521.	4.8	28
8	Graphene quantum dots prepared by gaseous detonation toward excellent friction-reducing and antiwear additives. <i>Diamond and Related Materials</i> , 2018, 89, 293-300.	3.9	22
9	Growth mechanism and wave-absorption properties of multiwalled carbon nanotubes fabricated using a gaseous detonation method. <i>Materials Research Bulletin</i> , 2018, 102, 153-159.	5.2	21
10	Preparation and characterization of the TiO <sub>2</sub> ultrafine particles by detonation method. <i>Materials Research Bulletin</i> , 2008, 43, 97-103.	5.2	20
11	Study on wave absorption properties of carbonyl iron and SiO <sub>2</sub> coated carbonyl iron particles. <i>AIP Advances</i> , 2018, 8, .	1.3	17
12	Electromagnetic wave absorption and scattering analysis for Fe <sub>3</sub> O <sub>4</sub> with different scales particles. <i>Chemical Physics Letters</i> , 2019, 723, 51-56.	2.6	17
13	Characterization and photocatalytic properties of SiO <sub>2</sub> @TiO <sub>2</sub> nanocomposites prepared through gaseous detonation method. <i>Ceramics International</i> , 2017, 43, 9377-9381.	4.8	16
14	Synthesis of nano-diamond/alumina composite by detonation method. <i>Diamond and Related Materials</i> , 2017, 77, 79-83.	3.9	16
15	Preparation and microwave absorption properties of MWCNTs/Fe <sub>3</sub> O <sub>4</sub> /NBR composites. <i>Diamond and Related Materials</i> , 2019, 100, 107573.	3.9	15
16	An Alternative Thin-Plate Welding Technology Using Underwater Shock Wave. <i>Journal of Adhesion Science and Technology</i> , 2012, 26, 1733-1743.	2.6	13
17	Metal catalyzed preparation of carbon nanomaterials by hydrogen@oxygen detonation method. <i>Combustion and Flame</i> , 2018, 196, 108-115.	5.2	13
18	Gaseous detonation synthesis of Co@C nanoparticles/CNTs materials. <i>Materials Letters</i> , 2019, 236, 179-182.	2.6	13

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19	Electromagnetic wave absorption mechanism of Fe@C nanoparticles prepared by gaseous detonation. <i>Materials Chemistry and Physics</i> , 2021, 259, 124037.	4.0	11
20	Characterization of carbon-encapsulated permalloy nanoparticles prepared through detonation. <i>Materials Research Express</i> , 2017, 4, 075024.	1.6	10
21	One-pot millisecond preparation of quench-resistant solid-state fluorescence carbon dots toward an efficient lubrication additive. <i>Diamond and Related Materials</i> , 2019, 91, 255-260.	3.9	10
22	One-step rapid fabrication of high-purity onion-like carbons as efficient lubrication additives. <i>Journal of Materials Science</i> , 2021, 56, 1286-1297.	3.7	10
23	Study of continuous velocity probe method for the determination of the detonation pressure of commercial explosives. <i>Journal of Energetic Materials</i> , 2018, 36, 377-385.	2.0	9
24	A solvent-free gaseous detonation approach for converting benzoic acid into graphene quantum dots within milliseconds. <i>Diamond and Related Materials</i> , 2018, 87, 233-241.	3.9	9
25	Detonation Synthesis and Friction-Wear Test of Carbon-Encapsulated Copper Nanoparticles. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2015, 25, 1569-1575.	3.7	8
26	Slurry explosive detonation synthesis and characterization of 10 nm TiO <sub>2</sub> . <i>Ceramics International</i> , 2016, 42, 14862-14866.	4.8	7
27	A simple electrometric method for parametric determination of Jones-Wilkins-Lee equation of state from underwater explosion test. <i>Journal of Applied Physics</i> , 2018, 124, 215906.	2.5	7
28	Preparation and characterization of nanosized TiO <sub>2</sub> powders by gaseous detonation method. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2008, 153, 21-24.	3.5	6
29	Absorbance analysis of Fe <sub>3</sub> O <sub>4</sub> particles of different scales in silicone rubber at Ku band. <i>Results in Physics</i> , 2019, 15, 102541.	4.1	6
30	Study on the factors of large-scale space wave absorption of MWCNTs/Fe <sub>3</sub> O <sub>4</sub> nanocomposite particles. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 22727-22739.	2.2	6
31	Study on absorbing wave of Fe <sub>3</sub> O <sub>4</sub> /MWCNTs nanoparticles based on large-scale space. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 2666-2675.	2.2	6
32	A velocity probe-based method for continuous detonation and shock measurement in near-field underwater explosion. <i>Review of Scientific Instruments</i> , 2017, 88, 123905.	1.3	5
33	Study on microwave attenuation mechanism model of Fe <sub>3</sub> O <sub>4</sub> /MWCNTs nanocomposites. <i>Materials Research Express</i> , 2019, 6, 125617.	1.6	5
34	Numerical study of the postcombustion effects on the underwater explosion of an aluminized explosive by a novel nonisentropic model for the detonation products. <i>Journal of Energetic Materials</i> , 2019, 37, 174-187.	2.0	5
35	Electromagnetic wave absorption properties of multi-walled carbon nanotubes-anatase composites in 1–18 GHz frequency. <i>Ceramics International</i> , 2019, 45, 22759-22764.	4.8	4
36	Ultrafast preparation of polymer carbon dots with solid-state fluorescence for white light-emitting diodes. <i>Materials Research Express</i> , 2019, 6, 065609.	1.6	4

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37	The Influence of Ar on the Synthesis of Carbon-coated Copper Nanoparticles in Gaseous Detonation. <i>Current Nanoscience</i> , 2018, 14, 360-365.	1.2	4
38	Simulation of the wave-absorbing model of a carbonyl iron-silver-coated core-shell structure. <i>Pramana - Journal of Physics</i> , 2018, 91, 1.	1.8	3
39	Fabrication and wave absorption property of Co C material prepared by direct detonation of gaseous hydrocarbon fuels. <i>Diamond and Related Materials</i> , 2019, 99, 107525.	3.9	3
40	One-pot millisecond preparation of carbon-coated SiO <sub>2</sub> nanoparticles. <i>Diamond and Related Materials</i> , 2020, 101, 107645.	3.9	3
41	Optimal Design and Preparation of Nano-TiO <sub>2</sub> Photocatalyst Using Gaseous Detonation Method. <i>Journal of Nanoscience and Nanotechnology</i> , 2017, 17, 2124-2129.	0.9	2
42	The effects of hydrogen proportion on the synthesis of carbon nanomaterials with gaseous detonation (deflagration) method. <i>Materials Research Express</i> , 2018, 5, 025024.	1.6	2
43	Underwater explosive compaction-sintering of tungsten-copper coating on a copper surface. <i>High Pressure Research</i> , 2018, 38, 41-52.	1.2	2
44	Phase transition rate of anatase during detonation synthesis of TiO <sub>2</sub> . <i>Phase Transitions</i> , 2017, 90, 618-627.	1.3	1
45	Experimental Study of Bilinear Initiating System Based on Hard Rock Pile Blasting. <i>Shock and Vibration</i> , 2017, 2017, 1-9.	0.6	1
46	Dynamic Response and Parametric Studies of Elliptical Blast-Resistant Door with the Combined Structure for Large Vacuum Explosion Containers. <i>Shock and Vibration</i> , 2021, 2021, 1-14.	0.6	0