

# Hong Sun

## List of Publications by Year in descending order

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42  
papers

1,148  
citations

430874

18  
h-index

395702

33  
g-index

47  
all docs

47  
docs citations

47  
times ranked

1355  
citing authors

#	ARTICLE	IF	CITATIONS
1	Microstructure and mechanical properties of Cr films deposited with different peak powers by high-power impulse magnetron sputtering. <i>Rare Metals</i> , 2023, 42, 327-335.	7.1	2
2	High-throughput DNA Tensioner Platform for Interrogating Mechanical Heterogeneity of Single Living Cells. <i>Small</i> , 2022, 18, e2106196.	10.0	15
3	<i>Lactobacillus paracasei</i> 24 Attenuates Lipid Accumulation in High-Fat Diet-Induced Obese Mice by Regulating the Gut Microbiota. <i>Journal of Agricultural and Food Chemistry</i> , 2022, 70, 4631-4643.	5.2	31
4	Companion-Probe & Race platform for interrogating nuclear protein and migration of living cells. <i>Biosensors and Bioelectronics</i> , 2022, 210, 114281.	10.1	4
5	MnOx location on MnOx-ZSM-5 to influence the catalytic activity for selective catalytic reduction of NOx by NH3. <i>Applied Catalysis A: General</i> , 2021, 617, 118128.	4.3	27
6	Detection of chlorophyll fluorescence parameters of potato leaves based on continuous wavelet transform and spectral analysis. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 259, 119768.	3.9	28
7	Analysis of Chlorophyll Concentration in Potato Crop by Coupling Continuous Wavelet Transform and Spectral Variable Optimization. <i>Remote Sensing</i> , 2020, 12, 2826.	4.0	25
8	Detection of chlorophyll content in growth potato based on spectral variable analysis. <i>Spectroscopy Letters</i> , 2020, 53, 476-488.	1.0	15
9	Application of Color Featuring and Deep Learning in Maize Plant Detection. <i>Remote Sensing</i> , 2020, 12, 2229.	4.0	18
10	Growth Stages Classification of Potato Crop Based on Analysis of Spectral Response and Variables Optimization. <i>Sensors</i> , 2020, 20, 3995.	3.8	27
11	Dynamic Influence Elimination and Chlorophyll Content Diagnosis of Maize Using UAV Spectral Imagery. <i>Remote Sensing</i> , 2020, 12, 2650.	4.0	29
12	Detection of Canopy Chlorophyll Content of Corn Based on Continuous Wavelet Transform Analysis. <i>Remote Sensing</i> , 2020, 12, 2741.	4.0	32
13	Optimal fertigation for high yield and fruit quality of greenhouse strawberry. <i>PLoS ONE</i> , 2020, 15, e0224588.	2.5	10
14	Novel metal-organic framework supported manganese oxides for the selective catalytic reduction of NOx with NH3: Promotional role of the support. <i>Journal of Hazardous Materials</i> , 2019, 380, 120800.	12.4	36
15	Effects of Cantharidin and Norcantharidin on Larval Feeding and Adult Oviposition Preferences of the Diamondback Moth (Lepidoptera: Plutellidae). <i>Journal of Economic Entomology</i> , 2019, 112, 1634-1637.	1.8	6
16	Engineering phytosterol transport system in <i>Mycobacterium</i> sp. strain MS136 enhances production of 9 $\beta$ -hydroxy-4-androstene-3,17-dione. <i>Biotechnology Letters</i> , 2018, 40, 673-678.	2.2	15
17	Catalytic Formation of Nitric Oxide Mediated by Ti-Cu Coatings Provides Multifunctional Interfaces for Cardiovascular Applications. <i>Advanced Materials Interfaces</i> , 2018, 5, 1701487.	3.7	12
18	Characterization of Ti-Cu Films Deposited by HPPMS and Effect on NO Catalytic Release and Platelet Adhesion Behavior. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2018, 33, 505-511.	1.0	1

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19	Research on Cloud Computing Modeling Based on Fusion Difference Method and Self-Adaptive Threshold Segmentation. <i>International Journal of Pattern Recognition and Artificial Intelligence</i> , 2018, 32, 1859010.	1.2	9
20	Self-Assembled Magnetic Viruslike Particles for Encapsulation and Delivery of Deoxyribonucleic Acid. <i>Langmuir</i> , 2018, 34, 7171-7179.	3.5	12
21	Tailoring of TiO <sub>2</sub> films by H <sub>2</sub> SO <sub>4</sub> treatment and UV irradiation to improve anticoagulant ability and endothelial cell compatibility. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 155, 314-322.	5.0	13
22	Functional polymorphisms in the promoter region of miR-17-92 cluster are associated with a decreased risk of colorectal cancer. <i>Oncotarget</i> , 2017, 8, 82531-82540.	1.8	16
23	Self-patterning porous films of giant vesicles of {Mo 72 Fe 30 }(DODMA) 3 complexes as frameworks. <i>Advances in Colloid and Interface Science</i> , 2016, 235, 14-22.	14.7	13
24	A green synthesis of $\alpha$ -enaked $\alpha$ -Pt and PtPd catalysts for highly efficient methanol electrooxidation. <i>RSC Advances</i> , 2016, 6, 56083-56090.	3.6	16
25	Enhanced catalytic activity over MIL-100(Fe) loaded ceria catalysts for the selective catalytic reduction of NO <sub>x</sub> with NH <sub>3</sub> at low temperature. <i>Journal of Hazardous Materials</i> , 2016, 301, 512-521.	12.4	68
26	A polymorphism rs4705341 in the flanking region of miR-143/145 predicts risk and prognosis of colorectal cancer. <i>Oncotarget</i> , 2016, 7, 62084-62090.	1.8	13
27	Ag <sub>2</sub> S/CdS/TiO <sub>2</sub> Nanotube Array Films with High Photocurrent Density by Spotting Sample Method. <i>Nanoscale Research Letters</i> , 2015, 10, 382.	5.7	14
28	Catalytic ozonation of reactive red X-3B in aqueous solution under low pressure: decolorization and OH $\cdot$ generation. <i>Frontiers of Environmental Science and Engineering</i> , 2015, 9, 591-595.	6.0	3
29	A portable soil nitrogen detector based on NIRS. <i>Precision Agriculture</i> , 2014, 15, 3-16.	6.0	32
30	The Direct Synthesis of Graphene on a Gallium Nitride Substrate. <i>Chemical Vapor Deposition</i> , 2014, 20, 125-129.	1.3	10
31	Porous metal-organic framework MIL-100(Fe) as an efficient catalyst for the selective catalytic reduction of NO <sub>x</sub> with NH <sub>3</sub> . <i>RSC Advances</i> , 2014, 4, 48912-48919.	3.6	80
32	Carbon-Doped Titanium Oxide Films by DC Reactive Magnetron Sputtering Using CO <sub>2</sub> and O <sub>2</sub> as Reactive Gas. <i>Acta Metallurgica Sinica (English Letters)</i> , 2014, 27, 239-244.	2.9	9
33	The effect of full/partial UV-irradiation of TiO <sub>2</sub> films on altering the behavior of fibrinogen and platelets. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 122, 709-718.	5.0	21
34	Effect of the total saponins of <i>Aralia elata</i> (Miq) Seem on cardiac contractile function and intracellular calcium cycling regulation. <i>Journal of Ethnopharmacology</i> , 2014, 155, 240-247.	4.1	59
35	Aconitine-induced Ca <sup>2+</sup> overload causes arrhythmia and triggers apoptosis through p38 MAPK signaling pathway in rats. <i>Toxicology and Applied Pharmacology</i> , 2014, 279, 8-22.	2.8	78
36	Electrochemical in situ regeneration of granular activated carbon using a three-dimensional reactor. <i>Journal of Environmental Sciences</i> , 2013, 25, S77-S79.	6.1	15

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37	Microstructure and Platelet Adhesion Behavior of Titanium Oxide Films Synthesized by Reactive High-Power Pulse Magnetron Sputtering. IEEE Transactions on Plasma Science, 2013, 41, 1837-1843.	1.3	6
38	Indentation strength of ultraincompressible rhenium boride, carbide, and nitride from first-principles calculations. Physical Review B, 2012, 86, .	3.2	58
39	Unexpectedly low indentation strength of $W_3B$ and $Mo_3B$ from first principles. Physical Review B, 2012, 86, .	3.2	49
40	Ideal strength and structural instability of aluminum at finite temperatures. Physical Review B, 2012, 86, .	3.2	24
41	Enhancement of Catalytic Activity Over the Iron-Modified $Ce/TiO_2$ Catalyst for Selective Catalytic Reduction of $NO_x$ with Ammonia. Journal of Physical Chemistry C, 2012, 116, 25319-25327.	3.1	189
42	Evaluation of maize growth by ground based multi-spectral image. , 2011, , .		3