

Hong Sun

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2564663/publications.pdf>

Version: 2024-02-01

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	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
2	Porous metal-organic framework MIL-100(Fe) as an efficient catalyst for the selective catalytic reduction of NO _x with NH ₃ . RSC Advances, 2014, 4, 48912-48919.	3.6	80
3	Aconitine-induced Ca ²⁺ overload causes arrhythmia and triggers apoptosis through p38 MAPK signaling pathway in rats. Toxicology and Applied Pharmacology, 2014, 279, 8-22.	2.8	78
4	Enhanced catalytic activity over MIL-100(Fe) loaded ceria catalysts for the selective catalytic reduction of NO _x with NH ₃ at low temperature. Journal of Hazardous Materials, 2016, 301, 512-521.	12.4	68
5	Effect of the total saponins of Aralia elata (Miq) Seem on cardiac contractile function and intracellular calcium cycling regulation. Journal of Ethnopharmacology, 2014, 155, 240-247.	4.1	59
6	Indentation strength of ultraincompressible rhenium boride, carbide, and nitride from first-principles calculations. Physical Review B, 2012, 86, .	3.2	58
7	Unexpectedly low indentation strength of WB ₃ and MoB ₃ from first-principles. Physical Review B, 2012, 86, .	3.2	49
8	Novel metal-organic framework supported manganese oxides for the selective catalytic reduction of NO _x with NH ₃ : Promotional role of the support. Journal of Hazardous Materials, 2019, 380, 120800.	12.4	36
9	A portable soil nitrogen detector based on NIRS. Precision Agriculture, 2014, 15, 3-16.	6.0	32
10	Detection of Canopy Chlorophyll Content of Corn Based on Continuous Wavelet Transform Analysis. Remote Sensing, 2020, 12, 2741.	4.0	32
11	<i>Lactobacillus paracasei</i> 24 Attenuates Lipid Accumulation in High-Fat Diet-Induced Obese Mice by Regulating the Gut Microbiota. Journal of Agricultural and Food Chemistry, 2022, 70, 4631-4643.	5.2	31
12	Dynamic Influence Elimination and Chlorophyll Content Diagnosis of Maize Using UAV Spectral Imagery. Remote Sensing, 2020, 12, 2650.	4.0	29
13	Detection of chlorophyll fluorescence parameters of potato leaves based on continuous wavelet transform and spectral analysis. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 259, 119768.	3.9	28
14	Growth Stages Classification of Potato Crop Based on Analysis of Spectral Response and Variables Optimization. Sensors, 2020, 20, 3995.	3.8	27
15	MnO _x location on MnO _x -ZSM-5 to influence the catalytic activity for selective catalytic reduction of NO _x by NH ₃ . Applied Catalysis A: General, 2021, 617, 118128.	4.3	27
16	Analysis of Chlorophyll Concentration in Potato Crop by Coupling Continuous Wavelet Transform and Spectral Variable Optimization. Remote Sensing, 2020, 12, 2826.	4.0	25
17	Ideal strength and structural instability of aluminum at finite temperatures. Physical Review B, 2012, 86, .	3.2	24
18	The effect of full/partial UV-irradiation of TiO ₂ films on altering the behavior of fibrinogen and platelets. Colloids and Surfaces B: Biointerfaces, 2014, 122, 709-718.	5.0	21

#	ARTICLE	IF	CITATIONS
19	Application of Color Featuring and Deep Learning in Maize Plant Detection. <i>Remote Sensing</i> , 2020, 12, 2229.	4.0	18
20	A green synthesis of Pt and PtPd catalysts for highly efficient methanol electrooxidation. <i>RSC Advances</i> , 2016, 6, 56083-56090.	3.6	16
21	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
22	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
23	Engineering phytosterol transport system in <i>Mycobacterium</i> sp. strain MS136 enhances production of 9 α -hydroxy-4-androstene-3,17-dione. <i>Biotechnology Letters</i> , 2018, 40, 673-678.	2.2	15
24	Detection of chlorophyll content in growth potato based on spectral variable analysis. <i>Spectroscopy Letters</i> , 2020, 53, 476-488.	1.0	15
25	High-Throughput DNA Tensioner Platform for Interrogating Mechanical Heterogeneity of Single Living Cells. <i>Small</i> , 2022, 18, e2106196.	10.0	15
26	Ag $_{2}S$ /CdS/TiO $_{2}$ Nanotube Array Films with High Photocurrent Density by Spotting Sample Method. <i>Nanoscale Research Letters</i> , 2015, 10, 382.	5.7	14
27	Self-patterning porous films of giant vesicles of $\{\text{Mo}_{72}\text{Fe}_{30}\}$ (DODMA) $_{3}$ complexes as frameworks. <i>Advances in Colloid and Interface Science</i> , 2016, 235, 14-22.	14.7	13
28	Tailoring of TiO $_{2}$ films by H $_{2}SO_{4}$ 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
29	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
30	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
31	Self-Assembled Magnetic Viruslike Particles for Encapsulation and Delivery of Deoxyribonucleic Acid. <i>Langmuir</i> , 2018, 34, 7171-7179.	3.5	12
32	The Direct Synthesis of Graphene on a Gallium Nitride Substrate. <i>Chemical Vapor Deposition</i> , 2014, 20, 125-129.	1.3	10
33	Optimal fertigation for high yield and fruit quality of greenhouse strawberry. <i>PLoS ONE</i> , 2020, 15, e0224588.	2.5	10
34	Carbon-Doped Titanium Oxide Films by DC Reactive Magnetron Sputtering Using CO $_{2}$ and O $_{2}$ as Reactive Gas. <i>Acta Metallurgica Sinica (English Letters)</i> , 2014, 27, 239-244.	2.9	9
35	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
36	Microstructure and Platelet Adhesion Behavior of Titanium Oxide Films Synthesized by Reactive High-Power Pulse Magnetron Sputtering. <i>IEEE Transactions on Plasma Science</i> , 2013, 41, 1837-1843.	1.3	6

#	ARTICLE	IF	CITATIONS
37	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
38	Companion-Probe & Race platform for interrogating nuclear protein and migration of living cells. <i>Biosensors and Bioelectronics</i> , 2022, 210, 114281.	10.1	4
39	Evaluation of maize growth by ground based multi-spectral image. , 2011, , .		3
40	Catalytic ozonation of reactive red X-3B in aqueous solution under low pressure: decolorization and OH [•] generation. <i>Frontiers of Environmental Science and Engineering</i> , 2015, 9, 591-595.	6.0	3
41	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
42	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