

Mohamed F Foda

List of Publications by Year in descending order

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64
papers

2,739
citations

159585

30
h-index

189892

50
g-index

64
all docs

64
docs citations

64
times ranked

4115
citing authors

#	ARTICLE	IF	CITATIONS
1	Commercial feasibility of lignocellulose biodegradation: possibilities and challenges. <i>Current Opinion in Biotechnology</i> , 2016, 38, 190-197.	6.6	163
2	From Electrochemistry to Electroluminescence: Development and Application in a Ratiometric Aptasensor for Aflatoxin B1. <i>Analytical Chemistry</i> , 2017, 89, 7578-7585.	6.5	139
3	Quantum Dot-Based Near-Infrared Electrochemiluminescent Immunosensor with Gold Nanoparticle-Graphene Nanosheet Hybrids and Silica Nanospheres Double-Assisted Signal Amplification. <i>Analytical Chemistry</i> , 2012, 84, 4893-4899.	6.5	129
4	Aqueous synthesis of porous platinum nanotubes at room temperature and their intrinsic peroxidase-like activity. <i>Chemical Communications</i> , 2013, 49, 6024.	4.1	114
5	Biocompatible and Highly Luminescent Near-Infrared CuInS ₂ /ZnS Quantum Dots Embedded Silica Beads for Cancer Cell Imaging. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 2011-2017.	8.0	109
6	Tumor-Triggered Geometrical Shape Switch of Chimeric Peptide for Enhanced <i>in Vivo</i> Tumor Internalization and Photodynamic Therapy. <i>ACS Nano</i> , 2017, 11, 3178-3188.	14.6	109
7	Carbon-Dot and Quantum-Dot-Coated Dual-Emission Core-Satellite Silica Nanoparticles for Ratiometric Intracellular Cu ²⁺ Imaging. <i>Analytical Chemistry</i> , 2016, 88, 7395-7403.	6.5	108
8	Porcine deltacoronavirus nsp5 inhibits interferon- β production through the cleavage of NEMO. <i>Virology</i> , 2017, 502, 33-38.	2.4	106
9	Metal-organic frameworks-based sensitive electrochemiluminescence biosensing. <i>Biosensors and Bioelectronics</i> , 2020, 164, 112332.	10.1	99
10	Microbial synthesis of highly dispersed PdAu alloy for enhanced electrocatalysis. <i>Science Advances</i> , 2016, 2, e1600858.	10.3	85
11	Design of Gold Hollow Nanorods with Controllable Aspect Ratio for Multimodal Imaging and Combined Chemo-Photothermal Therapy in the Second Near-Infrared Window. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 36703-36710.	8.0	74
12	Precisely Striking Tumors without Adjacent Normal Tissue Damage <i>via</i> Mitochondria-Templated Accumulation. <i>ACS Nano</i> , 2018, 12, 6252-6262.	14.6	65
13	Miniature Hollow Gold Nanorods with Enhanced Effect for <i>In Vivo</i> Photoacoustic Imaging in the NIR-II Window. <i>Small</i> , 2020, 16, e2002748.	10.0	56
14	Synthesis of functionalized 3D porous graphene using both ionic liquid and SiO ₂ spheres as <i>co</i> -spacers for high-performance application in supercapacitors. <i>Nanoscale</i> , 2015, 7, 659-669.	5.6	53
15	Viruses Infecting the Plant Pathogenic Fungus <i>Rhizoctonia solani</i> . <i>Viruses</i> , 2019, 11, 1113.	3.3	53
16	Clean Synthesis of an Economical 3D Nanochain Network of PdCu Alloy with Enhanced Electrocatalytic Performance towards Ethanol Oxidation. <i>Chemistry - A European Journal</i> , 2015, 21, 17779-17785.	3.3	50
17	Quantum dots decorated gold nanorod as fluorescent-plasmonic dual-modal contrasts agent for cancer imaging. <i>Biosensors and Bioelectronics</i> , 2015, 74, 16-23.	10.1	50
18	The nucleocapsid proteins of mouse hepatitis virus and severe acute respiratory syndrome coronavirus share the same IFN- β antagonizing mechanism: attenuation of PACT-mediated RIG-I/MDA5 activation. <i>Oncotarget</i> , 2017, 8, 49655-49670.	1.8	50

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19	Precise Chemodynamic Therapy of Cancer by Trifunctional Bacterium-Based Nanozymes. <i>ACS Nano</i> , 2021, 15, 19321-19333.	14.6	47
20	Highly sensitive enzyme-free immunosorbent assay for porcine circovirus type 2 antibody using Au-Pt/SiO ₂ nanocomposites as labels. <i>Biosensors and Bioelectronics</i> , 2016, 82, 177-184.	10.1	45
21	Selective Thrombolysis of Tumor for Enhanced Hypoxia-Activated Prodrug Therapy. <i>Advanced Materials</i> , 2021, 33, e2104504.	21.0	45
22	Au Hollow Nanorods-Chimeric Peptide Nanocarrier for NIR-II Photothermal Therapy and Real-time Apoptosis Imaging for Tumor Theranostics. <i>Theranostics</i> , 2019, 9, 4971-4981.	10.0	44
23	In Situ Nanozyme-Amplified NIR-II Phototheranostics for Tumor-Specific Imaging and Therapy. <i>Advanced Functional Materials</i> , 2021, 31, 2103765.	14.9	44
24	Strawberry-like SiO ₂ /Ag nanocomposites immersed filter paper as SERS substrate for acrylamide detection. <i>Food Chemistry</i> , 2020, 328, 127106.	8.2	43
25	Antimicrobial activity of certain natural-based plant oils against the antibiotic-resistant acne bacteria. <i>Saudi Journal of Biological Sciences</i> , 2020, 27, 448-455.	3.8	40
26	Ultrasmall Peptide-Coated Platinum Nanoparticles for Precise NIR-II Photothermal Therapy by Mitochondrial Targeting. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 39434-39443.	8.0	40
27	Immobilization of β -Glucosidase from <i>Thermatoga maritima</i> on Chitin-functionalized Magnetic Nanoparticle via a Novel Thermostable Chitin-binding Domain. <i>Scientific Reports</i> , 2020, 10, 1663.	3.3	36
28	Ultrasensitive electrochemical detection of <i>Bacillus thuringiensis</i> transgenic sequence based on in situ Ag nanoparticles aggregates induced by biotin-streptavidin system. <i>Biosensors and Bioelectronics</i> , 2011, 28, 464-468.	10.1	32
29	Pomegranate-Inspired Silica Nanotags Enable Sensitive Dual-Modal Detection of Rabies Virus Nucleoprotein. <i>Analytical Chemistry</i> , 2020, 92, 8802-8809.	6.5	32
30	Dual-Mode Immunosensor for Electrochemiluminescence Resonance Energy Transfer and Electrochemical Detection of Rabies Virus Glycoprotein Based on Ru(bpy) ₃ ²⁺ -Loaded Dendritic Mesoporous Silica Nanoparticles. <i>Analytical Chemistry</i> , 2022, 94, 7655-7664.	6.5	32
31	Solid-state voltammetry-based electrochemical immunosensor for <i>Escherichia coli</i> using graphene oxide-Ag nanoparticle composites as labels. <i>Analyst</i> , 2013, 138, 3388.	3.5	31
32	A brilliant sandwich type fluorescent nanostructure incorporating a compact quantum dot layer and versatile silica substrates. <i>Chemical Communications</i> , 2014, 50, 2896.	4.1	31
33	Controlled Synthesis of Au-Island-Covered Pd Nanotubes with Abundant Heterojunction Interfaces for Enhanced Electrooxidation of Alcohol. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 12792-12797.	8.0	30
34	Intracellular Ca ²⁺ Cascade Guided by NIR-II Photothermal Switch for Specific Tumor Therapy. <i>IScience</i> , 2020, 23, 101049.	4.1	30
35	Spiny-porous platinum nanotubes with enhanced electrocatalytic activity for methanol oxidation. <i>Journal of Materials Chemistry A</i> , 2015, 3, 1388-1391.	10.3	29
36	Isolation and Optimal Fermentation Condition of the <i>Bacillus subtilis</i> Subsp. natto Strain WTC016 for Nattokinase Production. <i>Fermentation</i> , 2019, 5, 92.	3.0	28

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37	Activation of TRPV1 by capsaicin-loaded CaCO ₃ nanoparticle for tumor-specific therapy. <i>Biomaterials</i> , 2022, 284, 121520.	11.4	27
38	Microwave-assisted synthesis of high-quality CdTe/CdS@ZnS@SiO ₂ near-infrared-emitting quantum dots and their applications in Hg ²⁺ sensing and imaging. <i>Sensors and Actuators B: Chemical</i> , 2015, 207, 74-82.	7.8	26
39	Molecular cloning and functional characterization of duck nucleotide-binding oligomerization domain 1 (NOD1). <i>Developmental and Comparative Immunology</i> , 2017, 74, 82-89.	2.3	26
40	Inhibition of Porcine Epidemic Diarrhea Virus Replication and Viral 3C-Like Protease by Quercetin. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8095.	4.1	26
41	Reasonably retard O ₂ consumption through a photoactivity conversion nanocomposite for oxygenated photodynamic therapy. <i>Biomaterials</i> , 2019, 218, 119312.	11.4	24
42	Bacteria Inspired Internal Standard SERS Substrate for Quantitative Detection. <i>ACS Applied Bio Materials</i> , 2021, 4, 2009-2019.	4.6	24
43	Enhanced immunoassay for porcine circovirus type 2 antibody using enzyme-loaded and quantum dots-embedded shell-core silica nanospheres based on enzyme-linked immunosorbent assay. <i>Analytica Chimica Acta</i> , 2015, 887, 192-200.	5.4	23
44	Iron oxide nanoparticle layer templated by polydopamine spheres: a novel scaffold toward hollow mesoporous magnetic nanoreactors. <i>Nanoscale</i> , 2015, 7, 806-813.	5.6	22
45	Near-infrared electrochemiluminescence biosensor for high sensitive detection of porcine reproductive and respiratory syndrome virus based on cyclodextrin-grafted porous Au/PtAu nanotube. <i>Sensors and Actuators B: Chemical</i> , 2017, 240, 586-594.	7.8	22
46	The fabrication of magnetic particle-based chemiluminescence immunoassay for human epididymis protein-4 detection in ovarian cancer. <i>Biochemistry and Biophysics Reports</i> , 2018, 13, 73-77.	1.3	22
47	Ratiometric fluorescence sensor for the sensitive detection of <i>Bacillus thuringiensis</i> transgenic sequence based on silica coated supermagnetic nanoparticles and quantum dots. <i>Sensors and Actuators B: Chemical</i> , 2018, 254, 206-213.	7.8	22
48	Silica-based nanoenzymes for rapid and ultrasensitive detection of mercury ions. <i>Sensors and Actuators B: Chemical</i> , 2021, 330, 129304.	7.8	21
49	Binding induced isothermal amplification reaction to activate CRISPR/Cas12a for amplified electrochemiluminescence detection of rabies viral RNA via DNA nanotweezer structure switching. <i>Biosensors and Bioelectronics</i> , 2022, 204, 114078.	10.1	19
50	Organosilane micellization for direct encapsulation of hydrophobic quantum dots into silica beads with highly preserved fluorescence. <i>Chemical Communications</i> , 2012, 48, 6145.	4.1	18
51	Dual-mode amplified detection of rabies virus oligonucleotide via Y-shaped DNA assembly. <i>Sensors and Actuators B: Chemical</i> , 2020, 304, 127267.	7.8	18
52	A Chimeric Peptide Logic Gate for Orthogonal Stimuli-triggered Precise Tumor Therapy. <i>Advanced Functional Materials</i> , 2018, 28, 1804609.	14.9	17
53	An intelligent platform based on acidity-triggered aggregation of gold nanoparticles for precise photothermal ablation of focal bacterial infection. <i>Chemical Engineering Journal</i> , 2021, 407, 127076.	12.7	16
54	Bioremediation of biosolids with <i>Phanerochaete chrysosporium</i> culture filtrates enhances the degradation of polycyclic aromatic hydrocarbons (PAHs). <i>Applied Soil Ecology</i> , 2018, 124, 163-170.	4.3	15

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55	Robust Synthesis of Size-Dispersal Triangular Silver Nanoprisms via Chemical Reduction Route and Their Cytotoxicity. <i>Nanomaterials</i> , 2019, 9, 674.	4.1	14
56	Universal chitosan-assisted synthesis of Ag-including heterostructured nanocrystals for label-free in situ SERS monitoring. <i>Nanoscale</i> , 2015, 7, 18878-18882.	5.6	13
57	Facile Synthesis of Quasi-One-Dimensional Au/PtAu Heterojunction Nanotubes and Their Application as Catalysts in an Oxygen-Reduction Reaction. <i>Chemistry - A European Journal</i> , 2015, 21, 7556-7561.	3.3	12
58	Graphene Oxide as a Stabilizer for "Clean" Synthesis of High-Performance Pd-Based Nanotubes Electrocatalysts. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 5191-5199.	6.7	11
59	Functional characterization of duck LSm14A in IFN- γ induction. <i>Developmental and Comparative Immunology</i> , 2017, 76, 255-261.	2.3	8
60	A New Type of Capping Agent in Nanoscience: Metal Cations. <i>Small</i> , 2019, 15, 1900444.	10.0	6
61	Biogenic Hybrid Nanosheets Activated Photothermal Therapy and Promoted Anti-PD-L1 Efficacy for Synergetic Antitumor Strategy. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 29122-29132.	8.0	6
62	Pd-Au heterostructured nanonecklaces with adjustable interval and size as a superior catalyst for degradation of 4-nitrophenol. <i>CrystEngComm</i> , 2017, 19, 5686-5691.	2.6	5
63	Multifunctional Nanosystems with Enhanced Cellular Uptake for Tumor Therapy. <i>Advanced Healthcare Materials</i> , 2022, 11, e2101703.	7.6	5
64	Light-Induced Caspase-3-Responsive Chimeric Peptide for Effective PDT/Chemo Combination Therapy with Good Compatibility. <i>ACS Applied Bio Materials</i> , 2020, 3, 2392-2400.	4.6	0