

Mohamed F Foda

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

63
papers

1,794
citations

24
h-index

41
g-index

64
ext. papers

2,292
ext. citations

8.7
avg, IF

5.04
L-index

#	Paper	IF	Citations
63	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	11.8	3
62	Activation of TRPV1 by capsaicin-loaded CaCO nanoparticle for tumor-specific therapy.. <i>Biomaterials</i> , 2022 , 284, 121520	15.6	3
61	Precise Chemodynamic Therapy of Cancer by Trifunctional Bacterium-Based Nanozymes. <i>ACS Nano</i> , 2021 ,	16.7	7
60	Multifunctional Nanosystems with Enhanced Cellular Uptake for Tumor Therapy. <i>Advanced Healthcare Materials</i> , 2021 , e2101703	10.1	0
59	In Situ Nanozyme-Amplified NIR-II Phototheranostics for Tumor-Specific Imaging and Therapy. <i>Advanced Functional Materials</i> , 2021 , 31, 2103765	15.6	9
58	Bacteria Inspired Internal Standard SERS Substrate for Quantitative Detection.. <i>ACS Applied Bio Materials</i> , 2021 , 4, 2009-2019	4.1	15
57	Silica-based nanoenzymes for rapid and ultrasensitive detection of mercury ions. <i>Sensors and Actuators B: Chemical</i> , 2021 , 330, 129304	8.5	9
56	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	14.7	7
55	Selective Thrombosis of Tumor for Enhanced Hypoxia-Activated Prodrug Therapy. <i>Advanced Materials</i> , 2021 , 33, e2104504	24	13
54	Inhibition of Porcine Epidemic Diarrhea Virus Replication and Viral 3C-Like Protease by Quercetin. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	7
53	Metal-organic frameworks-based sensitive electrochemiluminescence biosensing. <i>Biosensors and Bioelectronics</i> , 2020 , 164, 112332	11.8	39
52	Strawberry-like SiO/Ag nanocomposites immersed filter paper as SERS substrate for acrylamide detection. <i>Food Chemistry</i> , 2020 , 328, 127106	8.5	18
51	Pomegranate-Inspired Silica Nanotags Enable Sensitive Dual-Modal Detection of Rabies Virus Nucleoprotein. <i>Analytical Chemistry</i> , 2020 , 92, 8802-8809	7.8	11
50	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	9.5	5
49	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	4.1	
48	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	4.9	19
47	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	4	15

46	Ultrasmall Peptide-Coated Platinum Nanoparticles for Precise NIR-II Photothermal Therapy by Mitochondrial Targeting. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 39434-39443	9.5	14
45	Miniature Hollow Gold Nanorods with Enhanced Effect for In Vivo Photoacoustic Imaging in the NIR-II Window. <i>Small</i> , 2020 , 16, e2002748	11	26
44	Dual-mode amplified detection of rabies virus oligonucleotide via Y-shaped DNA assembly. <i>Sensors and Actuators B: Chemical</i> , 2020 , 304, 127267	8.5	11
43	Intracellular Ca Cascade Guided by NIR-II Photothermal Switch for Specific Tumor Therapy. <i>IScience</i> , 2020 , 23, 101049	6.1	8
42	Reasonably retard O consumption through a photoactivity conversion nanocomposite for oxygenated photodynamic therapy. <i>Biomaterials</i> , 2019 , 218, 119312	15.6	17
41	Robust Synthesis of Size-Dispersal Triangular Silver Nanoprisms via Chemical Reduction Route and Their Cytotoxicity. <i>Nanomaterials</i> , 2019 , 9,	5.4	6
40	A New Type of Capping Agent in Nanoscience: Metal Cations. <i>Small</i> , 2019 , 15, e1900444	11	4
39	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	12.1	30
38	Isolation and Optimal Fermentation Condition of the Bacillus subtilis Subsp. natto Strain WTC016 for Nattokinase Production. <i>Fermentation</i> , 2019 , 5, 92	4.7	14
37	Viruses Infecting the Plant Pathogenic Fungus. <i>Viruses</i> , 2019 , 11,	6.2	13
36	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	2.2	18
35	Ratiometric fluorescence sensor for the sensitive detection of Bacillus thuringiensis transgenic sequence based on silica coated supermagnetic nanoparticles and quantum dots. <i>Sensors and Actuators B: Chemical</i> , 2018 , 254, 206-213	8.5	13
34	Bioremediation of biosolids with Phanerochaete chrysosporium culture filtrates enhances the degradation of polycyclic aromatic hydrocarbons (PAHs). <i>Applied Soil Ecology</i> , 2018 , 124, 163-170	5	8
33	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	9.5	53
32	A Chimeric Peptide Logic Gate for Orthogonal Stimuli-Triggered Precise Tumor Therapy. <i>Advanced Functional Materials</i> , 2018 , 28, 1804609	15.6	11
31	Precisely Striking Tumors without Adjacent Normal Tissue Damage via Mitochondria-Templated Accumulation. <i>ACS Nano</i> , 2018 , 12, 6252-6262	16.7	49
30	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	8.3	11
29	Molecular cloning and functional characterization of duck nucleotide-binding oligomerization domain 1 (NOD1). <i>Developmental and Comparative Immunology</i> , 2017 , 74, 82-89	3.2	6

28	From Electrochemistry to Electroluminescence: Development and Application in a Ratiometric Aptasensor for Aflatoxin B1. <i>Analytical Chemistry</i> , 2017 , 89, 7578-7585	7.8	98
27	Tumor-Triggered Geometrical Shape Switch of Chimeric Peptide for Enhanced in Vivo Tumor Internalization and Photodynamic Therapy. <i>ACS Nano</i> , 2017 , 11, 3178-3188	16.7	90
26	Porcine deltacoronavirus nsp5 inhibits interferon- β production through the cleavage of NEMO. <i>Virology</i> , 2017 , 502, 33-38	3.6	63
25	PdAu heterostructured nanonecklaces with adjustable interval and size as a superior catalyst for degradation of 4-nitrophenol. <i>CrystEngComm</i> , 2017 , 19, 5686-5691	3.3	3
24	Functional characterization of duck LSM14A in IFN- β induction. <i>Developmental and Comparative Immunology</i> , 2017 , 76, 255-261	3.2	8
23	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	8.5	15
22	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	3.3	39
21	Microbial synthesis of highly dispersed PdAu alloy for enhanced electrocatalysis. <i>Science Advances</i> , 2016 , 2, e1600858	14.3	65
20	Carbon-Dot and Quantum-Dot-Coated Dual-Emission Core-Satellite Silica Nanoparticles for Ratiometric Intracellular Cu(2+) Imaging. <i>Analytical Chemistry</i> , 2016 , 88, 7395-403	7.8	88
19	Commercial feasibility of lignocellulose biodegradation: possibilities and challenges. <i>Current Opinion in Biotechnology</i> , 2016 , 38, 190-7	11.4	114
18	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, 177-84	11.8	36
17	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, 12792-7	9.5	25
16	Quantum dots decorated gold nanorod as fluorescent-plasmonic dual-modal contrasts agent for cancer imaging. <i>Biosensors and Bioelectronics</i> , 2015 , 74, 16-23	11.8	46
15	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	6.6	21
14	Universal chitosan-assisted synthesis of Ag-including heterostructured nanocrystals for label-free in situ SERS monitoring. <i>Nanoscale</i> , 2015 , 7, 18878-82	7.7	9
13	Spiny-porous platinum nanotubes with enhanced electrocatalytic activity for methanol oxidation. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 1388-1391	13	25
12	Synthesis of functionalized 3D porous graphene using both ionic liquid and SiO ₂ spheres as "spacers" for high-performance application in supercapacitors. <i>Nanoscale</i> , 2015 , 7, 659-69	7.7	48
11	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	8.5	22

10	Iron oxide nanoparticle layer templated by polydopamine spheres: a novel scaffold toward hollow-mesoporous magnetic nanoreactors. <i>Nanoscale</i> , 2015 , 7, 806-13	7.7	21
9	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, 7556-61	4.8	11
8	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, 17779-85	4.8	43
7	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, 2011-7	9.5	95
6	A brilliant sandwich type fluorescent nanostructure incorporating a compact quantum dot layer and versatile silica substrates. <i>Chemical Communications</i> , 2014 , 50, 2896-9	5.8	25
5	Aqueous synthesis of porous platinum nanotubes at room temperature and their intrinsic peroxidase-like activity. <i>Chemical Communications</i> , 2013 , 49, 6024-6	5.8	106
4	Solid-state voltammetry-based electrochemical immunosensor for Escherichia coli using graphene oxide-Ag nanoparticle composites as labels. <i>Analyst, The</i> , 2013 , 138, 3388-93	5	24
3	Organosilane micellization for direct encapsulation of hydrophobic quantum dots into silica beads with highly preserved fluorescence. <i>Chemical Communications</i> , 2012 , 48, 6145-7	5.8	18
2	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, 4893-9	7.8	116
1	Ultrasensitive electrochemical detection of Bacillus thuringiensis transgenic sequence based on in situ Ag nanoparticles aggregates induced by biotin-streptavidin system. <i>Biosensors and Bioelectronics</i> , 2011 , 28, 464-8	11.8	27