

Elena A Rozhkova

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

1,888
citations

331670

21
h-index

454955

30
g-index

31
all docs

31
docs citations

31
times ranked

3514
citing authors

#	ARTICLE	IF	CITATIONS
1	Biofunctionalized magnetic-vortex microdiscs for targeted cancer-cell destruction. <i>Nature Materials</i> , 2010, 9, 165-171.	27.5	507
2	A High-Performance Nanobio Photocatalyst for Targeted Brain Cancer Therapy. <i>Nano Letters</i> , 2009, 9, 3337-3342.	9.1	268
3	Stimuli-Responsive Magnetic Nanomicelles as Multifunctional Heat and Cargo Delivery Vehicles. <i>Langmuir</i> , 2013, 29, 7425-7432.	3.5	112
4	High-Performance Bioassisted Nanophotocatalyst for Hydrogen Production. <i>Nano Letters</i> , 2013, 13, 3365-3371.	9.1	72
5	Photoinduced Electron Transfer Pathways in Hydrogen-Evolving Reduced Graphene Oxide-Boosted Hybrid Nano-Bio Catalyst. <i>ACS Nano</i> , 2014, 8, 7995-8002.	14.6	55
6	Nanoscale Materials for Tackling Brain Cancer: Recent Progress and Outlook. <i>Advanced Materials</i> , 2011, 23, H136-50.	21.0	52
7	Microfabricated magnetic structures for future medicine: from sensors to cell actuators. <i>Nanomedicine</i> , 2012, 7, 1611-1624.	3.3	52
8	Ferromagnetic microdisks as carriers for biomedical applications. <i>Journal of Applied Physics</i> , 2009, 105, .	2.5	49
9	Functionalization of Nanostructured Hematite Thin-Film Electrodes with the Light-Harvesting Membrane Protein <i>C</i> -Phycocyanin Yields an Enhanced Photocurrent. <i>Advanced Functional Materials</i> , 2012, 22, 490-502.	14.9	48
10	Ultrasensitive detection enabled by nonlinear magnetization of nanomagnetic labels. <i>Nanoscale</i> , 2018, 10, 11642-11650.	5.6	48
11	Semi-artificial Photosynthetic CO ₂ Reduction through Purple Membrane Re-engineering with Semiconductor. <i>Journal of the American Chemical Society</i> , 2019, 141, 11811-11815.	13.7	44
12	Light-Gated Synthetic Protocells for Plasmon-Enhanced Chemiosmotic Gradient Generation and ATP Synthesis. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 4896-4900.	13.8	41
13	Fast, Ratiometric FRET from Quantum Dot Conjugated Stabilized Single Chain Variable Fragments for Quantitative Botulinum Neurotoxin Sensing. <i>Nano Letters</i> , 2015, 15, 7161-7167.	9.1	40
14	Targeted multimodal nano-reporters for pre-procedural MRI and intra-operative image-guidance. <i>Biomaterials</i> , 2016, 109, 69-77.	11.4	40
15	Synthesis of Synergistic Nitrogen-Doped NiMoO ₄ /Ni ₃ N Heterostructure for Implementation of an Efficient Alkaline Electrocatalytic Hydrogen Evolution Reaction. <i>ACS Applied Energy Materials</i> , 2020, 3, 2440-2449.	5.1	39
16	Wireless Optogenetic Modulation of Cortical Neurons Enabled by Radioluminescent Nanoparticles. <i>ACS Nano</i> , 2021, 15, 5201-5208.	14.6	31
17	Multifunctional Ferromagnetic Disks for Modulating Cell Function. <i>IEEE Transactions on Magnetics</i> , 2012, 48, 3269-3274.	2.1	27
18	Synthesis of Hybrid Gold/Iron Oxide Nanoparticles in Block Copolymer Micelles for Imaging, Drug Delivery, and Magnetic Hyperthermia. <i>IEEE Transactions on Magnetics</i> , 2009, 45, 4821-4824.	2.1	26

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19	Interactions between the Isolated Oxygenase and Reductase Domains of Neuronal Nitric-oxide Synthase. <i>Journal of Biological Chemistry</i> , 2002, 277, 16888-16894.	3.4	24
20	Efficient Cisplatin Pro-drug Delivery Visualized with Sub-100 nm Resolution: Interfacing Engineered Thermosensitive Magnetomicelles with a Living System. <i>Advanced Materials Interfaces</i> , 2014, 1, 1400182.	3.7	22
21	Cell-Free Synthetic Biology Chassis for Nanocatalytic Photon-to-Hydrogen Conversion. <i>ACS Nano</i> , 2017, 11, 6739-6745.	14.6	21
22	Hematite photoanode co-functionalized with self-assembling melanin and C-phycocyanin for solar water splitting at neutral pH. <i>Catalysis Today</i> , 2017, 284, 44-51.	4.4	18
23	Intracellular gold nanoclusters boost energy conversion. <i>Nature Nanotechnology</i> , 2018, 13, 880-881.	31.5	18
24	Light-Gated Synthetic Protocells for Plasmon-Enhanced Chemiosmotic Gradient Generation and ATP Synthesis. <i>Angewandte Chemie</i> , 2019, 131, 4950-4954.	2.0	12
25	Energy Transfer Induced by Dye Encapsulation in a Hybrid Nanoparticle-Purple Membrane Reversible Assembly. <i>Advanced Functional Materials</i> , 2019, 29, 1904899.	14.9	8
26	3D printed polylactic acid and acrylonitrile butadiene styrene fluidic structures for biological applications: Tailoring bio-material interface via surface modification. <i>Materials Today Communications</i> , 2021, 27, 102348.	1.9	8
27	Investigations into Spin- and Unpolarized Secondary Electron-Induced Reactions in Self-Assembled Monolayers of Cysteine. <i>Langmuir</i> , 2021, 37, 2985-2992.	3.5	6
28	Harnessing Nature's Purple Solar Panels for Photoenergy Conversion. <i>World Scientific Series in Nanoscience and Nanotechnology</i> , 2016, , 195-227.	0.1	1
29	Hypoxia-induced biosynthesis of gold nanoparticles in the living brain. <i>Nanoscale</i> , 2019, 11, 19285-19290.	5.6	1
30	The IL13 \pm 2R paves the way for anti-glioma nanotherapy. <i>Genes and Diseases</i> , 2023, 10, 89-100.	3.4	0