

Anna Cristina S Samia

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6640589/publications.pdf>

Version: 2024-02-01

62
papers

6,877
citations

136950

32
h-index

123424

61
g-index

62
all docs

62
docs citations

62
times ranked

11048
citing authors

#	ARTICLE	IF	CITATIONS
1	Standardized quantification of biofilm in a novel rabbit model of periprosthetic joint infection. <i>Journal of Bone and Joint Infection</i> , 2022, 7, 91-99.	1.5	5
2	Hyperthermia-mediated changes in the tumor immune microenvironment using iron oxide nanoparticles. <i>Nanoscale Advances</i> , 2021, 3, 5890-5899.	4.6	5
3	Study on the behaviors of fungi-concrete surface interactions and theoretical assessment of its potentials for durable concrete with fungal-mediated self-healing. <i>Journal of Cleaner Production</i> , 2021, 292, 125870.	9.3	31
4	Water-Dispersible Fe ₃ O ₄ Nanoparticles Modified with Controlled Numbers of Carboxyl Moieties for Magnetic Induction Heating. <i>ACS Applied Nano Materials</i> , 2021, 4, 7395-7403.	5.0	11
5	A Novel Machine Learning Model to Predict the Photo-Degradation Performance of Different Photocatalysts on a Variety of Water Contaminants. <i>Catalysts</i> , 2021, 11, 1107.	3.5	16
6	Di- and tri-component spinel ferrite nanocubes: synthesis and their comparative characterization for theranostic applications. <i>Nanoscale</i> , 2021, 13, 13665-13680.	5.6	18
7	Uncovering the Magnetic Particle Imaging and Magnetic Resonance Imaging Features of Iron Oxide Nanocube Clusters. <i>Nanomaterials</i> , 2021, 11, 62.	4.1	17
8	Frontiers in hybrid and interfacial materials chemistry research. <i>MRS Bulletin</i> , 2020, 45, 951-964.	3.5	6
9	Modeling and Experimental Studies on Adsorption and Photocatalytic Performance of Nitrogen-Doped TiO ₂ Prepared via the Sol-Gel Method. <i>Catalysts</i> , 2020, 10, 1449.	3.5	2
10	Engineered magnetic nanoparticles enhance chlorophyll content and growth of barley through the induction of photosystem genes. <i>Environmental Science and Pollution Research</i> , 2020, 27, 34311-34321.	5.3	28
11	Photoactivated Gold Nanorod Hydrogel Composite Containing α -Amino Acids for the Complete Eradication of Bacterial Biofilms on Metal Alloy Implant Materials. <i>ACS Applied Nano Materials</i> , 2020, 3, 5862-5873.	5.0	16
12	Effect of chloride substitution on interfacial charge transfer processes in MAPbI ₃ perovskite thin film solar cells: planar versus mesoporous. <i>Nanoscale Advances</i> , 2019, 1, 827-833.	4.6	21
13	Exploring the chelation-based plant strategy for iron oxide nanoparticle uptake in garden cress (<i>Lepidium sativum</i>) using magnetic particle spectrometry. <i>Nanoscale</i> , 2019, 11, 18582-18594.	5.6	21
14	Engineering of Au/Ag Nanostructures for Enhanced Electrochemical Performance. <i>Journal of the Electrochemical Society</i> , 2018, 165, B83-B88.	2.9	4
15	Magnetic Glycol Chitin-Based Hydrogel Nanocomposite for Combined Thermal and α -Amino-Acid-Assisted Biofilm Disruption. <i>ACS Infectious Diseases</i> , 2018, 4, 1246-1256.	3.8	34
16	A novel synthetic route for high-index faceted iron oxide concave nanocubes with high T ₂ relaxivity for in vivo MRI applications. <i>Journal of Materials Science: Materials in Medicine</i> , 2018, 29, 58.	3.6	15
17	Applications and challenges of using 3D printed implants for the treatment of birth defects. <i>Birth Defects Research</i> , 2018, 110, 1065-1081.	1.5	6
18	Sensitivity Limits for ELISA Measurements of Molecular Biomarker Concentrations. <i>International Journal on Magnetic Particle Imaging</i> , 2017, 3, .	1.0	1

#	ARTICLE	IF	CITATIONS
19	High-performance iron oxide nanoparticles for magnetic particle imaging â€“ guided hyperthermia (hMPI). <i>Nanoscale</i> , 2016, 8, 12162-12169.	5.6	155
20	Structural effects on the magnetic hyperthermia properties of iron oxide nanoparticles. <i>Progress in Natural Science: Materials International</i> , 2016, 26, 440-448.	4.4	253
21	Reactive Extrusion Strategies to Fabricate Magnetiteâ€“Polyethylene Nanocomposites with Enhanced Mechanical and Magnetic Hyperthermia Properties. <i>Macromolecular Materials and Engineering</i> , 2016, 301, 1525-1536.	3.6	9
22	Identification and characterization of the intermediate phase in hybrid organicâ€“inorganic MAPbI ₃ perovskite. <i>Dalton Transactions</i> , 2016, 45, 3806-3813.	3.3	283
23	Magnetic nanoparticles: material engineering and emerging applications in lithography and biomedicine. <i>Journal of Materials Science</i> , 2016, 51, 513-553.	3.7	130
24	Detection of Lysyl Oxidase-Like 2 (LOXL2), a Biomarker of Metastasis from Breast Cancers Using Human Blood Samples. <i>Recent Patents on Biomarkers</i> , 2016, 5, 93-100.	0.2	14
25	Iron Oxide and Titanium Dioxide Nanoparticle Effects on Plant Performance and Root Associated Microbes. <i>International Journal of Molecular Sciences</i> , 2015, 16, 23630-23650.	4.1	125
26	Magnetic Particle Imaging Tracers: State-of-the-Art and Future Directions. <i>Journal of Physical Chemistry Letters</i> , 2015, 6, 2509-2517.	4.6	102
27	Fabrication of Metal Nanoparticle-Modified Screen Printed Carbon Electrodes for the Evaluation of Hydrogen Peroxide Content in Teeth Whitening Strips. <i>Journal of Chemical Education</i> , 2015, 92, 1913-1917.	2.3	12
28	Highly Efficient Antibacterial Iron Oxide@Carbon Nanochains from W ^{1/4} stite Precursor Nanoparticles. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 20154-20163.	8.0	32
29	Titanium oxide nanoparticle effects on composition of soil microbial communities and plant performance. <i>Biology and Fertility of Soils</i> , 2014, 50, 1169-1173.	4.3	60
30	Effect of metal precursor on the growth and electrochemical sensing properties of Ptâ€“Ag nanoboxes. <i>Chemical Communications</i> , 2014, 50, 7295.	4.1	24
31	Iron oxide-loaded hollow mesoporous silica nanocapsules for controlled drug release and hyperthermia. <i>Chemical Communications</i> , 2013, 49, 11436.	4.1	73
32	Magnetic particle spectroscopy of magnetite-polyethylene nanocomposite films: A novel sample for MPI tracer design. , 2013, , .		2
33	Magnetic particle imaging: advancements and perspectives for real-time in vivo monitoring and image-guided therapy. <i>Nanoscale</i> , 2013, 5, 4040.	5.6	129
34	Hybrid Platinum Nanobox/Carbon Nanotube Composites for Ultrasensitive Gas Sensing. <i>Small</i> , 2013, 9, 3928-3933.	10.0	20
35	Adsorption of Cd ²⁺ on Carboxyl-Terminated Superparamagnetic Iron Oxide Nanoparticles. <i>Analytical Chemistry</i> , 2012, 84, 3764-3770.	6.5	60
36	Detection of Alpha-Methylacyl-CoA Racemase (AMACR), a Biomarker of Prostate Cancer, in Patient Blood Samples Using a Nanoparticle Electrochemical Biosensor. <i>Biosensors</i> , 2012, 2, 377-387.	4.7	25

#	ARTICLE	IF	CITATIONS
37	Highly-ordered TiO ₂ nanotube arrays with double-walled and bamboo-type structures in dye-sensitized solar cells. <i>Nano Energy</i> , 2012, 1, 796-804.	16.0	44
38	Fabrication of double-walled TiO ₂ nanotubes with bamboo morphology via one-step alternating voltage anodization. <i>Electrochemistry Communications</i> , 2011, 13, 1013-1015.	4.7	54
39	Delivery and Efficacy of a Cancer Drug as a Function of the Bond to the Gold Nanoparticle Surface. <i>Langmuir</i> , 2010, 26, 2248-2255.	3.5	144
40	Visible-light Photodegradation of Higher Molecular Weight Organics on N-doped TiO ₂ Nanostructured Thin Films. <i>Topics in Catalysis</i> , 2008, 47, 42-48.	2.8	16
41	Highly Efficient Drug Delivery with Gold Nanoparticle Vectors for <i>in Vivo</i> Photodynamic Therapy of Cancer. <i>Journal of the American Chemical Society</i> , 2008, 130, 10643-10647.	13.7	682
42	Effect of the Functionalization of the Axial Phthalocyanine Ligands on the Energy Transfer in QD-based Donor-Acceptor Pairs. <i>Photochemistry and Photobiology</i> , 2007, 84, 071117035358009-???	2.5	26
43	Observation of Non-Förster-Type Energy-Transfer Behavior in Quantum Dot-Phthalocyanine Conjugates. <i>Journal of the American Chemical Society</i> , 2006, 128, 13974-13975.	13.7	113
44	Effect of Ligand-Metal Interactions on the Growth of Transition-Metal and Alloy Nanoparticles. <i>Chemistry of Materials</i> , 2006, 18, 5203-5212.	6.7	69
45	Synthesis, assembly and physical properties of magnetic nanoparticles. <i>Journal of Magnetism and Magnetic Materials</i> , 2006, 305, 100-109.	2.3	163
46	Quantum Dot-based Energy Transfer: Perspectives and Potential for Applications in Photodynamic Therapy. <i>Photochemistry and Photobiology</i> , 2006, 82, 617.	2.5	261
47	PbTe Nanorods by Sonochemistry. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 5855-5857.	13.8	103
48	Formation of Oxynitride as the Photocatalytic Enhancing Site in Nitrogen-Doped Titania Nanocatalysts: Comparison to a Commercial Nanopowder. <i>Advanced Functional Materials</i> , 2005, 15, 41-49.	14.9	402
49	Investigation of the Crystallization Process in 2 nm CdSe Quantum Dots. <i>Journal of the American Chemical Society</i> , 2005, 127, 4372-4375.	13.7	112
50	Ligand Effect on the Growth and the Digestion of Co Nanocrystals. <i>Journal of the American Chemical Society</i> , 2005, 127, 4126-4127.	13.7	107
51	Effect of the erbium dopant architecture on the femtosecond relaxation dynamics of silicon nanocrystals. <i>Journal of Chemical Physics</i> , 2004, 120, 8716-8723.	3.0	6
52	Faraday rotation in Co _{0.85} Zn _{0.15} Fe ₂ O ₄ spinel ferrite nanoparticulate films under low applied fields. <i>Applied Physics Letters</i> , 2004, 84, 3115-3117.	3.3	19
53	The Effect of Ligand Constraints on the Metal-to-Ligand Charge-Transfer Relaxation Dynamics of Copper(I)-Phenanthroline Complexes: A Comparative Study by Femtosecond Time-Resolved Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2004, 108, 563-569.	2.6	19
54	Enhanced Nitrogen Doping in TiO ₂ Nanoparticles. <i>Nano Letters</i> , 2003, 3, 1049-1051.	9.1	1,199

#	ARTICLE	IF	CITATIONS
55	Evaluation of the photoinduced electron relaxation dynamics of Cu _{1.8} S quantum dots. <i>Physical Chemistry Chemical Physics</i> , 2003, 5, 1091-1095.	2.8	94
56	Coherency Strain Effects on the Optical Response of Core/Shell Heteronanostructures. <i>Nano Letters</i> , 2003, 3, 799-803.	9.1	194
57	Femtosecond Spectroscopic Investigation of the Carrier Lifetimes in Digenite Quantum Dots and Discrimination of the Electron and Hole Dynamics via Ultrafast Interfacial Electron Transfer. <i>Journal of Physical Chemistry B</i> , 2003, 107, 12431-12437.	2.6	77
58	Semiconductor Quantum Dots for Photodynamic Therapy. <i>Journal of the American Chemical Society</i> , 2003, 125, 15736-15737.	13.7	753
59	Experimental Evidence for the Photoisomerization of Higher Fullerenes. <i>Journal of the American Chemical Society</i> , 2002, 124, 12400-12401.	13.7	14
60	A Chemometric Approach for Predicting the Size of Magnetic Spinel Ferrite Nanoparticles from the Synthesis Conditions. <i>Journal of Physical Chemistry B</i> , 2000, 104, 7919-7922.	2.6	49
61	Characterizing the magnetic anisotropy constant of spinel cobalt ferrite nanoparticles. <i>Applied Physics Letters</i> , 2000, 76, 3624-3626.	3.3	109
62	Superparamagnetic Relaxation and Magnetic Anisotropy Energy Distribution in CoFe ₂ O ₄ Spinel Ferrite Nanocrystallites. <i>Journal of Physical Chemistry B</i> , 1999, 103, 6876-6880.	2.6	283