

Nguyen Thi Kim Thanh

List of Publications by Year in descending order

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Version: 2024-02-01

78
papers

9,978
citations

159585

30
h-index

64796

79
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all docs

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docs citations

82
times ranked

16630
citing authors

#	ARTICLE	IF	CITATIONS
1	Development and Characterization of Curcumin-Silver Nanoparticles as a Promising Formulation to Test on Human Pterygium-Derived Keratinocytes. <i>Molecules</i> , 2022, 27, 282.	3.8	13
2	Magnetic particle imaging: tracer development and the biomedical applications of a radiation-free, sensitive, and quantitative imaging modality. <i>Nanoscale</i> , 2022, 14, 3658-3697.	5.6	30
3	Fouling-proof triple stream 3D flow focusing based reactor: Design and demonstration for iron oxide nanoparticle co-precipitation synthesis. <i>Chemical Engineering Science</i> , 2022, 251, 117481.	3.8	6
4	N-Doped Graphene Quantum Dots/Titanium Dioxide Nanocomposites: A Study of ROS-Forming Mechanisms, Cytotoxicity and Photodynamic Therapy. <i>Biomedicines</i> , 2022, 10, 421.	3.2	10
5	Versailles project on advanced materials and standards (VAMAS) interlaboratory study on measuring the number concentration of colloidal gold nanoparticles. <i>Nanoscale</i> , 2022, 14, 4690-4704.	5.6	15
6	Environmental STEM Study of the Oxidation Mechanism for Iron and Iron Carbide Nanoparticles. <i>Materials</i> , 2022, 15, 1557.	2.9	2
7	Introduction to advanced functional nanomaterials for biomedical applications. <i>Nanoscale</i> , 2022, 14, 7441-7443.	5.6	4
8	Quantification of Lipoprotein Uptake <i>in Vivo</i> Using Magnetic Particle Imaging and Spectroscopy. <i>ACS Nano</i> , 2021, 15, 434-446.	14.6	16
9	Shape controlled iron oxide nanoparticles: inducing branching and controlling particle crystallinity. <i>CrystEngComm</i> , 2021, 23, 550-561.	2.6	15
10	Small iron oxide nanoparticles as MRI T_1 contrast agent: scalable inexpensive water-based synthesis using a flow reactor. <i>Nanoscale</i> , 2021, 13, 8795-8805.	5.6	32
11	Dimpled $\text{SiO}_2/\text{Fe}_2\text{O}_3$ nanocomposites fabrication and use for arsenic adsorption in aqueous medium. <i>RSC Advances</i> , 2021, 11, 1343-1353.	3.6	3
12	Whither Magnetic Hyperthermia? A Tentative Roadmap. <i>Materials</i> , 2021, 14, 706.	2.9	76
13	The Role of Anisotropy in Distinguishing Domination of Néel or Brownian Relaxation Contribution to Magnetic Inductive Heating: Orientations for Biomedical Applications. <i>Materials</i> , 2021, 14, 1875.	2.9	16
14	DMSA-coated cubic iron oxide nanoparticles as potential therapeutic agents. <i>Nanomedicine</i> , 2021, 16, 925-941.	3.3	12
15	Stable Iron Oxide Nanoflowers with Exceptional Magnetic Heating Efficiency: Simple and Fast Polyol Synthesis. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 45870-45880.	8.0	28
16	Development of an in-line magnetometer for flow chemistry and its demonstration for magnetic nanoparticle synthesis. <i>Lab on A Chip</i> , 2021, 21, 3775-3783.	6.0	7
17	Current advances in the detection of COVID-19 and evaluation of the humoral response. <i>Analyst</i> , The, 2021, 146, 382-402.	3.5	25
18	Heat-Up Colloidal Synthesis of Shape-Controlled Cu-Se-S Nanostructures: Role of Precursor and Surfactant Reactivity and Performance in N_2 Electroreduction. <i>Nanomaterials</i> , 2021, 11, 3369.	4.1	6

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19	Study of the Effect of Anisotropic Gold Nanoparticles on Plasmonic Coupling with a Photosensitizer for Antimicrobial Film. ACS Applied Bio Materials, 2020, 3, 315-326.	4.6	16
20	<i>In vitro</i> exploration of the synergistic effect of alternating magnetic field mediated thermo-chemotherapy with doxorubicin loaded dual pH- and thermo-responsive magnetic nanocomposite carriers. Journal of Materials Chemistry B, 2020, 8, 10527-10539.	5.8	11
21	Hybrid Plasmonics and Two-Dimensional Materials: Theory and Applications. Journal of Molecular and Engineering Materials, 2020, 08, 2030001.	1.8	4
22	Enhanced photodynamic therapy and fluorescence imaging using gold nanorods for porphyrin delivery in a novel <i>in vitro</i> squamous cell carcinoma 3D model. Journal of Materials Chemistry B, 2020, 8, 5131-5142.	5.8	21
23	Rapid Millifluidic Synthesis of Stable High Magnetic Moment Fe _x C _y Nanoparticles for Hyperthermia. ACS Applied Materials & Interfaces, 2020, 12, 28520-28531.	8.0	20
24	Co-precipitation synthesis of stable iron oxide nanoparticles with NaOH: New insights and continuous production via flow chemistry. Chemical Engineering Journal, 2020, 399, 125740.	12.7	88
25	A titanium dioxide/nitrogen-doped graphene quantum dot nanocomposite to mitigate cytotoxicity: synthesis, characterisation, and cell viability evaluation. RSC Advances, 2020, 10, 21795-21805.	3.6	36
26	Continuous production of iron oxide nanoparticles <i>via</i> fast and economical high temperature synthesis. Reaction Chemistry and Engineering, 2020, 5, 1474-1483.	3.7	21
27	A Modular Millifluidic Platform for the Synthesis of Iron Oxide Nanoparticles with Control over Dissolved Gas and Flow Configuration. Materials, 2020, 13, 1019.	2.9	19
28	Engineering hydrogel nanoparticles to enhance transdermal local anaesthetic delivery in human eyelid skin. RSC Advances, 2020, 10, 3926-3930.	3.6	6
29	Sensing of circulating cancer biomarkers with metal nanoparticles. Nanoscale, 2019, 11, 22152-22171.	5.6	68
30	Synthesis of size-tuneable Fe ²⁺ -FeOOH nanoellipsoids and a study of their morphological and compositional changes by reduction. CrystEngComm, 2019, 21, 1293-1301.	2.6	24
31	Gold Nanorods Embedded in Polymeric Film for Killing Bacteria by Generating Reactive Oxygen Species with Light. ACS Applied Bio Materials, 2019, 2, 3059-3067.	4.6	15
32	Clustering superparamagnetic iron oxide nanoparticles produces organ-targeted high-contrast magnetic resonance images. Nanomedicine, 2019, 14, 1135-1152.	3.3	25
33	Facile aqueous, room temperature preparation of high transverse relaxivity clustered iron oxide nanoparticles. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2019, 570, 165-171.	4.7	4
34	Unravelling the growth mechanism of the co-precipitation of iron oxide nanoparticles with the aid of synchrotron X-Ray diffraction in solution. Nanoscale, 2019, 11, 6620-6628.	5.6	122
35	Rapid synthesis of gold nanoparticles with carbon monoxide in a microfluidic segmented flow system. Reaction Chemistry and Engineering, 2019, 4, 884-890.	3.7	35
36	Hydroxypropylcellulose Coating to Improve Graft-to-Bone Healing for Anterior Cruciate Ligament Reconstruction. ACS Biomaterials Science and Engineering, 2019, 5, 1793-1803.	5.2	5

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37	Nanoparticles-based magnetic and photo induced hyperthermia for cancer treatment. Nano Today, 2019, 29, 100795.	11.9	174
38	Structure Differentiation of Hydrophilic Brass Nanoparticles Using a Polyol Toolbox. Frontiers in Chemistry, 2019, 7, 817.	3.6	6
39	Quantifying the binding between proteins and open chromatin-like DNA sequences with gold nanorods. Chemical Communications, 2019, 55, 15041-15044.	4.1	8
40	Unusual switchable peroxidase-mimicking nanozyme for the determination of proteolytic biomarker. Nano Research, 2019, 12, 509-516.	10.4	45
41	New insight into the effect of mass transfer on the synthesis of silver and gold nanoparticles. CrystEngComm, 2018, 20, 7082-7093.	2.6	15
42	Synthesis of Fine-Tuning Highly Magnetic Fe@Fe _x O _y Nanoparticles through Continuous Injection and a Study of Magnetic Hyperthermia. Chemistry of Materials, 2018, 30, 8897-8904.	6.7	32
43	Fluorescence sensing of protein-DNA interactions using conjugated polymers and graphene oxide. Sensors and Actuators B: Chemical, 2018, 271, 97-103.	7.8	17
44	Tunable plasmonic colorimetric assay with inverse sensitivity for extracellular DNA quantification. Chemical Communications, 2018, 54, 11260-11263.	4.1	21
45	Characterization techniques for nanoparticles: comparison and complementarity upon studying nanoparticle properties. Nanoscale, 2018, 10, 12871-12934.	5.6	1,115
46	High magnetisation, monodisperse and water-dispersible CoFe@Pt core/shell nanoparticles. Nanoscale, 2017, 9, 8952-8961.	5.6	16
47	Iron Oxide Nanoparticles: Tunable Size Synthesis and Analysis in Terms of the Core-Shell Structure and Mixed Coercive Model. Journal of Electronic Materials, 2017, 46, 2533-2539.	2.2	10
48	Assessing cell-nanoparticle interactions by high content imaging of biocompatible iron oxide nanoparticles as potential contrast agents for magnetic resonance imaging. Scientific Reports, 2017, 7, 7850.	3.3	57
49	An engineering approach to synthesis of gold and silver nanoparticles by controlling hydrodynamics and mixing based on a coaxial flow reactor. Nanoscale, 2017, 9, 14149-14161.	5.6	48
50	A new insight into the thermodynamical criterion for the preparation of semiconductor and metal nanocrystals using a polymerized complexing method. Physical Chemistry Chemical Physics, 2017, 19, 24742-24751.	2.8	16
51	Synthesis of silver nanoparticles using a microfluidic impinging jet reactor. Journal of Flow Chemistry, 2016, 6, 268-278.	1.9	21
52	A plasmonic multi-logic gate platform based on sequence-specific binding of estrogen receptors and gold nanorods. Nanoscale, 2016, 8, 19973-19977.	5.6	14
53	Real-time tracking of delayed-onset cellular apoptosis induced by intracellular magnetic hyperthermia. Nanomedicine, 2016, 11, 121-136.	3.3	82
54	Doxorubicin loaded dual pH- and thermo-responsive magnetic nanocarrier for combined magnetic hyperthermia and targeted controlled drug delivery applications. Nanoscale, 2016, 8, 12152-12161.	5.6	173

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55	Fine-tuning of gold nanorod dimensions and plasmonic properties using the Hofmeister effects. <i>Journal of Materials Chemistry C</i> , 2016, 4, 53-61.	5.5	102
56	Polyol synthesis, functionalisation, and biocompatibility studies of superparamagnetic iron oxide nanoparticles as potential MRI contrast agents. <i>Nanoscale</i> , 2016, 8, 3278-3287.	5.6	173
57	Synthesis of silver nanoparticles in a microfluidic coaxial flow reactor. <i>RSC Advances</i> , 2015, 5, 95585-95591.	3.6	61
58	A plasmonic nanosensor with inverse sensitivity for circulating cell-free DNA quantification. <i>Chemical Communications</i> , 2015, 51, 14524-14527.	4.1	30
59	Synthesis of magnetic cobalt ferrite nanoparticles with controlled morphology, monodispersity and composition: the influence of solvent, surfactant, reductant and synthetic conditions. <i>Nanoscale</i> , 2015, 7, 19596-19610.	5.6	140
60	Protein A-conjugated iron oxide nanoparticles for separation of <i>Vibrio cholerae</i> from water samples. <i>Faraday Discussions</i> , 2014, 175, 73-82.	3.2	21
61	High pressure synthesis of FePt nanoparticles with controlled morphology and Fe content. <i>RSC Advances</i> , 2014, 4, 1168-1173.	3.6	4
62	Magnetic nanoparticle-based therapeutic agents for thermo-chemotherapy treatment of cancer. <i>Nanoscale</i> , 2014, 6, 11553-11573.	5.6	475
63	Mechanisms of Nucleation and Growth of Nanoparticles in Solution. <i>Chemical Reviews</i> , 2014, 114, 7610-7630.	47.7	2,201
64	Tracking stem cells in tissue-engineered organs using magnetic nanoparticles. <i>Nanoscale</i> , 2013, 5, 11362.	5.6	66
65	Functional nanoparticles for biomedical applications. <i>Nanoscale</i> , 2013, 5, 11338.	5.6	8
66	Multilayered nanocoatings incorporating superparamagnetic nanoparticles for tracking of pancreatic islet transplants with magnetic resonance imaging. <i>Chemical Communications</i> , 2013, 49, 7255.	4.1	12
67	Nanoparticles Based Stem Cell Tracking in Regenerative Medicine. <i>Theranostics</i> , 2013, 3, 573-582.	10.0	85
68	Emergence of Multicolor Photoluminescence in $\text{La}_{0.67}\text{Sr}_{0.33}\text{MnO}_3$ Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2012, 116, 25623-25629.	3.1	37
69	Elucidating the morphological and structural evolution of iron oxide nanoparticles formed by sodium carbonate in aqueous medium. <i>Journal of Materials Chemistry</i> , 2012, 22, 12498.	6.7	93
70	RECENT DEVELOPMENT FOR SYNTHESIS OF MAGNETIC NANOPARTICLES FOR BIOMEDICAL APPLICATIONS. <i>International Journal of Nanoscience</i> , 2011, 10, 883-890.	0.7	2
71	Synthesis of nanoparticles for biomedical applications. <i>Annual Reports on the Progress of Chemistry Section A</i> , 2010, 106, 553.	0.8	66
72	Synthesis and Characterization of Magnetic Nanoalloys from Bimetallic Carbonyl Clusters. <i>Chemistry of Materials</i> , 2009, 21, 3021-3026.	6.7	99

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73	Variant shape growth of nanoparticles of metallic Fe@Pt, Fe@Pd and Fe@Pt@Pd alloys. CrystEngComm, 2009, 11, 1309.	2.6	47
74	Determination of Size and Concentration of Gold Nanoparticles from UV-Vis Spectra. Analytical Chemistry, 2007, 79, 4215-4221.	6.5	3,008
75	SELECTIVE RECOGNITION OF CYCLIC GMP USING A FLUORESCENCE-BASED MOLECULARLY IMPRINTED POLYMER. Analytical Letters, 2002, 35, 2499-2509.	1.8	16
76	Development of an Aggregation-Based Immunoassay for Anti-Protein A Using Gold Nanoparticles. Analytical Chemistry, 2002, 74, 1624-1628.	6.5	473
77	Laser-based double beam absorption detection for aggregation immunoassays using gold nanoparticles. Analytical and Bioanalytical Chemistry, 2002, 374, 1174-1178.	3.7	16
78	Urinary lipid changes during the development of chemically-induced renal papillary necrosis: a study using mefenamic acid and N-phenylanthranilic acid. Biomarkers, 2001, 6, 417-427.	1.9	11