

Ting Guo

List of Publications by Year in descending order

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90
papers

4,996
citations

186265

28
h-index

88630

70
g-index

91
all docs

91
docs citations

91
times ranked

4979
citing authors

#	ARTICLE	IF	CITATIONS
1	Fullerenes with metals inside. The Journal of Physical Chemistry, 1991, 95, 7564-7568.	2.9	1,248
2	Picosecond-attosecond lattice dynamics measured by ultrafast X-ray diffraction. Nature, 1999, 398, 310-312.	27.8	531
3	Self-Assembly of Tubular Fullerenes. The Journal of Physical Chemistry, 1995, 99, 10694-10697.	2.9	499
4	Doping bucky: formation and properties of boron-doped buckminsterfullerene. The Journal of Physical Chemistry, 1991, 95, 4948-4950.	2.9	398
5	Nanoscale Energy Deposition by X-ray Absorbing Nanostructures. Journal of Physical Chemistry B, 2007, 111, 11622-11625.	2.6	207
6	Ab initio theoretical predictions of C ₂₈ , C ₂₈ H ₄ , C ₂₈ F ₄ , (Ti@C ₂₈)H ₄ , and M@C ₂₈ (M=Mg, Al, Si, S, Ca, Sc.)	3.0	158
7	Chemical Enhancement by Nanomaterials under X-ray Irradiation. Journal of the American Chemical Society, 2012, 134, 1950-1953.	13.7	112
8	Upconversion fluorescence metal-organic frameworks thermo-sensitive imprinted polymer for enrichment and sensing protein. Biosensors and Bioelectronics, 2016, 79, 341-346.	10.1	108
9	Green pH/magnetic sensitive hydrogels based on pineapple peel cellulose and polyvinyl alcohol: synthesis, characterization and naringin prolonged release. Carbohydrate Polymers, 2019, 209, 51-61.	10.2	98
10	Influence of Particle Size on Persistence and Clearance of Aerosolized Silver Nanoparticles in the Rat Lung. Toxicological Sciences, 2015, 144, 366-381.	3.1	83
11	Properties of Pickering emulsion stabilized by food-grade gelatin nanoparticles: influence of the nanoparticles concentration. Colloids and Surfaces B: Biointerfaces, 2020, 196, 111294.	5.0	83
12	Molecularly imprinted upconversion nanoparticles for highly selective and sensitive sensing of Cytochrome c. Biosensors and Bioelectronics, 2015, 74, 498-503.	10.1	72
13	Investigation of Co nanoparticles with EXAFS and XANES. Chemical Physics Letters, 2004, 400, 122-127.	2.6	69
14	Alkanethiol-Induced Structural Rearrangements in Silica@Gold Core@Shell-type Nanoparticle Clusters: An Opportunity for Chemical Sensor Engineering. Langmuir, 2004, 20, 5553-5558.	3.5	68
15	X-ray triggered release of doxorubicin from nanoparticle drug carriers for cancer therapy. Chemical Communications, 2013, 49, 2545.	4.1	62
16	A novel fluorescence aptasensor based on mesoporous silica nanoparticles for selective and sensitive detection of aflatoxin B ₁ . Analytica Chimica Acta, 2019, 1068, 87-95.	5.4	61
17	Enhanced relaxation of nanoparticle-bound supercoiled DNA in X-ray radiation. Chemical Communications, 2005, , 3192.	4.1	60
18	Persistence of silver nanoparticles in the rat lung: Influence of dose, size, and chemical composition. Nanotoxicology, 2015, 9, 591-602.	3.0	48

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19	Ab initio calculations of tetrahedral hydrogenated buckminsterfullerene. <i>Chemical Physics Letters</i> , 1992, 191, 527-532.	2.6	46
20	Synthesis of Tubular Gold and Silver Nanoshells Using Silica Nanowire Core Templates. <i>Langmuir</i> , 2006, 22, 6367-6374.	3.5	46
21	Size-Dependent Deposition, Translocation, and Microglial Activation of Inhaled Silver Nanoparticles in the Rodent Nose and Brain. <i>Environmental Health Perspectives</i> , 2016, 124, 1870-1875.	6.0	46
22	A double responsive smart upconversion fluorescence sensing material for glycoprotein. <i>Biosensors and Bioelectronics</i> , 2016, 85, 596-602.	10.1	39
23	Electron Paramagnetic Resonance Spectroscopy Investigation of Radical Production by Gold Nanoparticles in Aqueous Solutions Under X-ray Irradiation. <i>Journal of Physical Chemistry A</i> , 2016, 120, 2815-2823.	2.5	37
24	Crystal Structures, Raman Spectroscopy, and Magnetic Properties of Ba _{7.5} Al ₁₃ Si ₂₉ and Eu _{0.27} Ba _{7.22} Al ₁₃ Si ₂₉ . <i>Inorganic Chemistry</i> , 2005, 44, 9185-9191.	4.0	32
25	A fluorometric aptasensor for patulin based on the use of magnetized graphene oxide and DNase I-assisted target recycling amplification. <i>Mikrochimica Acta</i> , 2018, 185, 487.	5.0	32
26	A simple mesoporous silica nanoparticle-based fluorescence aptasensor for the detection of zearalenone in grain and cereal products. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 5627-5635.	3.7	32
27	Surface Segregation in Ni/Co Bimetallic Nanoparticles Produced in Single-Walled Carbon Nanotube Synthesis. <i>Journal of Physical Chemistry B</i> , 2002, 106, 5833-5839.	2.6	31
28	An Example of X-ray Nanochemistry: SERS Investigation of Polymerization Enhanced by Nanostructures under X-ray Irradiation. <i>Journal of Physical Chemistry Letters</i> , 2012, 3, 3271-3275.	4.6	30
29	Aerosolized Silver Nanoparticles in the Rat Lung and Pulmonary Responses over Time. <i>Toxicologic Pathology</i> , 2016, 44, 673-686.	1.8	29
30	Silicon-based nanowires from silicon wafers catalyzed by cobalt nanoparticles in a hydrogen environment. <i>Chemical Communications</i> , 2005, , 2274.	4.1	27
31	Electronic Structure of Sc@C60: An ab Initio Theoretical Study. <i>The Journal of Physical Chemistry</i> , 1994, 98, 7745-7747.	2.9	24
32	Average Physical Enhancement by Nanomaterials under X-ray Irradiation. <i>Journal of Physical Chemistry C</i> , 2014, 118, 30221-30228.	3.1	24
33	Fluorescence Spectroscopic Investigation of Competitive Interactions between Quercetin and Aflatoxin B1 for Binding to Human Serum Albumin. <i>Toxins</i> , 2019, 11, 214.	3.4	24
34	Novel pathogenic mutations in minichromosome maintenance complex component 9 (MCM9) responsible for premature ovarian insufficiency. <i>Fertility and Sterility</i> , 2020, 113, 845-852.	1.0	24
35	Silica Nanocoils. <i>Journal of Physical Chemistry B</i> , 2006, 110, 8296-8301.	2.6	23
36	X-ray-Induced Energy Transfer between Nanomaterials under X-ray Irradiation. <i>Journal of Physical Chemistry C</i> , 2016, 120, 3054-3060.	3.1	22

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37	Carbon Dioxide Reforming of Methane by Ni/Co Nanoparticle Catalysts Immobilized on Single-Walled Carbon Nanotubes. <i>Energy & Fuels</i> , 2008, 22, 2183-2187.	5.1	21
38	Variants in Homologous Recombination Genes <i>EXO1</i> and <i>RAD51</i> Related with Premature Ovarian Insufficiency. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2020, 105, e3566-e3574.	3.6	21
39	Integrated multi-spectroscopic and molecular modeling techniques to study the formation mechanism of hidden zearalenone in maize. <i>Food Chemistry</i> , 2021, 351, 129286.	8.2	21
40	Synthesis and self-assembled ring structures of Ni nanocrystals. <i>Journal of Colloid and Interface Science</i> , 2006, 293, 430-436.	9.4	20
41	Growth of Self-Aligned Crystalline Cobalt Silicide Nanostructures from Co Nanoparticles. <i>Journal of Physical Chemistry B</i> , 2004, 108, 6901-6904.	2.6	19
42	Novel FSHR mutations in Han Chinese women with sporadic premature ovarian insufficiency. <i>Molecular and Cellular Endocrinology</i> , 2019, 492, 110446.	3.2	19
43	Compact 50-Hz terawatt Ti:sapphire laser for x-ray and nonlinear optical spectroscopy. <i>Applied Optics</i> , 2002, 41, 5148.	2.1	18
44	A Novel Ratiometric Electrochemical Biosensor Based on a Split Aptamer for the Detection of Dopamine with Logic Gate Operations. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2020, 217, 1900924.	1.8	18
45	Zein structure and its hidden zearalenone: Effect of zein extraction methods. <i>Food Chemistry</i> , 2022, 374, 131563.	8.2	18
46	Probing Site Activity of Monodisperse Pt Nanoparticle Catalysts Using Steam Reforming of Methane. <i>Journal of Physical Chemistry Letters</i> , 2010, 1, 254-259.	4.6	17
47	Synthesis and electric properties of dicobalt silicide nanobelts. <i>Chemical Communications</i> , 2011, 47, 1255-1257.	4.1	15
48	Target-induced DNA machine amplification strategy for high sensitive and selective detection of biotoxin. <i>Sensors and Actuators B: Chemical</i> , 2018, 262, 619-624.	7.8	15
49	Fullerene doped glasses. <i>Applied Physics Letters</i> , 1994, 65, 2522-2524.	3.3	14
50	Physical, chemical and biological enhancement in X-ray nanochemistry. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 15917-15931.	2.8	14
51	Atomic Tungsten for Ultrafast Hard X-ray Generation. <i>Journal of Physical Chemistry A</i> , 2005, 109, 4216-4220.	2.5	13
52	Oxidative DNA damage and multi-organ pathologies in male mice subchronically treated with aflatoxin B1. <i>Ecotoxicology and Environmental Safety</i> , 2019, 186, 109697.	6.0	13
53	Coherent anti-Stokes Raman scattering microscopy with spectrally tailored ultrafast pulses. <i>Review of Scientific Instruments</i> , 2005, 76, 043108.	1.3	12
54	Multiplication Algorithm for Combined Physical and Chemical Enhancement of X-ray Effect by Nanomaterials. <i>Journal of Physical Chemistry C</i> , 2015, 119, 19513-19519.	3.1	12

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55	Laser-driven hard-x-ray generation based on ultrafast selected energy x-ray absorption spectroscopy measurements of Ni compounds. <i>Physical Review E</i> , 2005, 71, 025401.	2.1	11
56	Enhanced single strand breaks of supercoiled DNA in a matrix of gold nanotubes under X-ray irradiation. <i>Journal of Colloid and Interface Science</i> , 2012, 378, 70-76.	9.4	11
57	Effect of temperature and pH on the conversion between free and hidden zearalenone in zein. <i>Food Chemistry</i> , 2021, 360, 130001.	8.2	10
58	Effects of freezing-thawing pretreatment combined with liquid nitrogen and dilute acid on the gelatinization of collagen. <i>International Journal of Biological Macromolecules</i> , 2018, 118, 435-441.	7.5	9
59	Time-Resolved Annular Dark Field Imaging of Catalyst Nanoparticles. <i>ChemPhysChem</i> , 2010, 11, 2088-2090.	2.1	8
60	Determination of CoSi ₂ Self-Aligned Nanostructures with Grazing Incidence X-ray Absorption Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2005, 109, 4118-4122.	2.6	7
61	Toward Development of Fluorescence-Quenching-Based Biosensors for Drought Stress in Plants. <i>Analytical Chemistry</i> , 2019, 91, 15644-15651.	6.5	7
62	Ultrafast selected energy x-ray absorption spectroscopy investigations of Ni and Zn species. <i>Journal of Chemical Physics</i> , 2005, 122, 244710.	3.0	6
63	Surface modification of gold nanotubules via microwave radiation, sonication and chemical etching. <i>Chemical Physics Letters</i> , 2006, 432, 195-199.	2.6	6
64	Recognition of melting of nanoparticle catalysts with cubically shaped Co ₃ O ₄ nanoparticles. <i>Journal of Colloid and Interface Science</i> , 2008, 321, 251-255.	9.4	6
65	High selectivity and sensitivity fluorescence sensing of melamine based on the combination of a fluorescent chemosensor and molecularly imprinted polymers. <i>RSC Advances</i> , 2015, 5, 94084-94090.	3.6	6
66	Concentration-Dependent Association between Weakly Attractive Nanoparticles in Aqueous Solutions. <i>Journal of Physical Chemistry C</i> , 2016, 120, 19830-19836.	3.1	6
67	Sub-monolayer silver loss from large gold nanospheres detected by surface plasmon resonance in the sigmoidal region. <i>Journal of Colloid and Interface Science</i> , 2016, 479, 173-181.	9.4	6
68	Identification of Individual Reaction Steps in Complex Radical Reactions Involving Gold Nanoparticles. <i>ChemPhysChem</i> , 2018, 19, 3328-3333.	2.1	6
69	A facile aptasensor based on polydopamine nanospheres for high-sensitivity sensing of T-2 toxin. <i>Analytical Methods</i> , 2021, 13, 2654-2658.	2.7	6
70	Investigations of Laser Evaporation in Ambient Pressure Helium with Ultrafast Hard X-ray Pulses. <i>Journal of Physical Chemistry C</i> , 2007, 111, 4643-4647.	3.1	5
71	Aerosolization System for Experimental Inhalation Studies of Carbon-Based Nanomaterials. <i>Aerosol Science and Technology</i> , 2012, 46, 94-107.	3.1	5
72	Determination of Absolute Quantum Efficiency of X-ray Nano Phosphors by Thin Film Photovoltaic Cells. <i>Analytical Chemistry</i> , 2014, 86, 10492-10496.	6.5	5

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73	Encapsulation of multiple large spherical silica nanoparticles in hollow spherical silica shells. <i>Journal of Colloid and Interface Science</i> , 2015, 445, 112-118.	9.4	5
74	X-ray-Mediated Release of Molecules and Engineered Proteins from Nanostructure Surfaces. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 31860-31864.	8.0	5
75	A multifunctional near-infrared fluorescent sensing material based on core-shell upconversion nanoparticles@magnetic nanoparticles and molecularly imprinted polymers for detection of deltamethrin. <i>Mikrochimica Acta</i> , 2021, 188, 165.	5.0	5
76	Dairy Processing Affects the Gut Digestion and Microecology by Changing the Structure and Composition of Milk Fat Globules. <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 10194-10205.	5.2	4
77	Nanoparticle-Assisted Scanning Focusing X-Ray Therapy with Needle Beam X Rays. <i>Radiation Research</i> , 2016, 185, 87-95.	1.5	3
78	A novel high-sensitive indirect competitive chemiluminescence enzyme immunoassay based on monoclonal antibody for tenuazonic acid (TeA) detection. <i>European Food Research and Technology</i> , 2022, 248, 577-587.	3.3	3
79	Counterfactual-Based Action Evaluation Algorithm in Multi-Agent Reinforcement Learning. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 3439.	2.5	3
80	Theoretical Study of X-ray Induced Energy Transfer (XIET) from Nanomaterial Donors to Nanomaterial Acceptors. <i>Journal of Physical Chemistry C</i> , 2018, 122, 18640-18650.	3.1	2
81	Sealable Spherical Mesoporous Silica Shell Nanoreactors as Fiducial Nanoscale Probes for X-rays. <i>Journal of Physical Chemistry A</i> , 2018, 122, 8686-8692.	2.5	2
82	Solid-phase extraction materials based on molecularly imprinted polymers for recognition of pyrethroids. <i>Journal of Applied Polymer Science</i> , 2020, 137, 48919.	2.6	2
83	<title>Ultrafast x-ray absorption spectroscopy using laser-driven electron x-ray sources (LEXS)</title>. , 2001, , .		1
84	Ultrafast selected-energy x-ray absorption spectroscopy (USEXAS) with a laser-driven x-ray source. , 2004, 5340, 113.		1
85	A High Sensitivity Electrochemical Immunosensor Based on Monoclonal Antibody Coupled Flower-Shaped Nano-ZnO for Detection of Tenuazonic Acid. <i>Agriculture (Switzerland)</i> , 2022, 12, 204.	3.1	1
86	Nanowires for solar energy and hydrogen production. , 2007, , .		0
87	Investigation of magnetic field manipulated electrons produced from laser-driven ultrafast x-ray sources using x-ray emission spectroscopy. <i>Journal Physics D: Applied Physics</i> , 2015, 48, 105202.	2.8	0
88	Identification of Individual Reaction Steps in Complex Radical Reactions Involving Gold Nanoparticles. <i>ChemPhysChem</i> , 2018, 19, 3327-3327.	2.1	0
89	Fast Fluorescence Titration Quantification of Plasmid DNA with DNA Attractive Magnetic Nanoparticles. <i>Analytical Chemistry</i> , 2021, 93, 12854-12861.	6.5	0
90	Determination of charge state of tungsten during ultrafast hard x-ray generation. , 2006, , 53-56.		0