

Ting Guo

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5602166/publications.pdf>

Version: 2024-02-01

88
papers

4,852
citations

236612

25
h-index

106150

65
g-index

92
all docs

92
docs citations

92
times ranked

4313
citing authors

#	ARTICLE	IF	CITATIONS
1	Fast Fluorescence Titration Quantification of Plasmid DNA with DNA Attractive Magnetic Nanoparticles. <i>Analytical Chemistry</i> , 2021, 93, 12854-12861.	3.2	0
2	Surface modification induced cuprous oxide nanoparticle toxicity to duckweed at sub-toxic metal concentrations. <i>Science of the Total Environment</i> , 2020, 722, 137607.	3.9	9
3	Physical, chemical and biological enhancement in X-ray nanochemistry. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 15917-15931.	1.3	14
4	Toward Development of Fluorescence-Quenching-Based Biosensors for Drought Stress in Plants. <i>Analytical Chemistry</i> , 2019, 91, 15644-15651.	3.2	7
5	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.	1.5	2
6	Identification of Individual Reaction Steps in Complex Radical Reactions Involving Gold Nanoparticles. <i>ChemPhysChem</i> , 2018, 19, 3327-3327.	1.0	0
7	Identification of Individual Reaction Steps in Complex Radical Reactions Involving Gold Nanoparticles. <i>ChemPhysChem</i> , 2018, 19, 3328-3333.	1.0	6
8	Sealable Spherical Mesoporous Silica Shell Nanoreactors as Fiducial Nanoscale Probes for X-rays. <i>Journal of Physical Chemistry A</i> , 2018, 122, 8686-8692.	1.1	2
9	X-ray-Mediated Release of Molecules and Engineered Proteins from Nanostructure Surfaces. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 31860-31864.	4.0	5
10	Chemical Enhancement. <i>Nanostructure Science and Technology</i> , 2018, , 117-157.	0.1	1
11	X-ray Nanochemistry. <i>Nanostructure Science and Technology</i> , 2018, , .	0.1	9
12	Medical Applications of X-Ray Nanochemistry. <i>Nanostructure Science and Technology</i> , 2018, , 299-409.	0.1	0
13	Physical Enhancement of the Effectiveness of X-Ray Irradiation. <i>Nanostructure Science and Technology</i> , 2018, , 23-116.	0.1	2
14	X-Ray Nanochemistry: Background and Introduction. <i>Nanostructure Science and Technology</i> , 2018, , 3-20.	0.1	0
15	Applications of X-Ray Nanochemistry in Sensing, Radiolysis, and Environmental Research. <i>Nanostructure Science and Technology</i> , 2018, , 431-456.	0.1	0
16	Applications of X-Ray Nanochemistry in Catalysis. <i>Nanostructure Science and Technology</i> , 2018, , 411-429.	0.1	0
17	Nanomaterials for X-Ray Nanochemistry. <i>Nanostructure Science and Technology</i> , 2018, , 201-238.	0.1	1
18	Techniques and Instruments for X-Ray Nanochemistry. <i>Nanostructure Science and Technology</i> , 2018, , 239-265.	0.1	0

#	ARTICLE	IF	CITATIONS
19	X-Ray Nanochemistry and Its Applications in Biology. Nanostructure Science and Technology, 2018, , 269-298.	0.1	1
20	Isolation, Optimization, and Combination of Individual Enhancements. Nanostructure Science and Technology, 2018, , 177-198.	0.1	0
21	Size-Dependent Deposition, Translocation, and Microglial Activation of Inhaled Silver Nanoparticles in the Rodent Nose and Brain. Environmental Health Perspectives, 2016, 124, 1870-1875.	2.8	46
22	Aerosolized Silver Nanoparticles in the Rat Lung and Pulmonary Responses over Time. Toxicologic Pathology, 2016, 44, 673-686.	0.9	29
23	Concentration-Dependent Association between Weakly Attractive Nanoparticles in Aqueous Solutions. Journal of Physical Chemistry C, 2016, 120, 19830-19836.	1.5	6
24	Electron Paramagnetic Resonance Spectroscopy Investigation of Radical Production by Gold Nanoparticles in Aqueous Solutions Under X-ray Irradiation. Journal of Physical Chemistry A, 2016, 120, 2815-2823.	1.1	37
25	Sub-monolayer silver loss from large gold nanospheres detected by surface plasmon resonance in the sigmoidal region. Journal of Colloid and Interface Science, 2016, 479, 173-181.	5.0	6
26	X-ray-Induced Energy Transfer between Nanomaterials under X-ray Irradiation. Journal of Physical Chemistry C, 2016, 120, 3054-3060.	1.5	22
27	Nanoparticle-Assisted Scanning Focusing X-Ray Therapy with Needle Beam X Rays. Radiation Research, 2016, 185, 87-95.	0.7	3
28	Investigation of magnetic field manipulated electrons produced from laser-driven ultrafast x-ray sources using x-ray emission spectroscopy. Journal Physics D: Applied Physics, 2015, 48, 105202.	1.3	0
29	Encapsulation of multiple large spherical silica nanoparticles in hollow spherical silica shells. Journal of Colloid and Interface Science, 2015, 445, 112-118.	5.0	5
30	Influence of Particle Size on Persistence and Clearance of Aerosolized Silver Nanoparticles in the Rat Lung. Toxicological Sciences, 2015, 144, 366-381.	1.4	83
31	Multiplication Algorithm for Combined Physical and Chemical Enhancement of X-ray Effect by Nanomaterials. Journal of Physical Chemistry C, 2015, 119, 19513-19519.	1.5	12
32	Persistence of silver nanoparticles in the rat lung: Influence of dose, size, and chemical composition. Nanotoxicology, 2015, 9, 591-602.	1.6	48
33	Determination of Absolute Quantum Efficiency of X-ray Nano Phosphors by Thin Film Photovoltaic Cells. Analytical Chemistry, 2014, 86, 10492-10496.	3.2	5
34	Average Physical Enhancement by Nanomaterials under X-ray Irradiation. Journal of Physical Chemistry C, 2014, 118, 30221-30228.	1.5	24
35	X-ray triggered release of doxorubicin from nanoparticle drug carriers for cancer therapy. Chemical Communications, 2013, 49, 2545.	2.2	62
36	Aerosolization System for Experimental Inhalation Studies of Carbon-Based Nanomaterials. Aerosol Science and Technology, 2012, 46, 94-107.	1.5	5

#	ARTICLE	IF	CITATIONS
37	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.	2.1	30
38	Chemical Enhancement by Nanomaterials under X-ray Irradiation. <i>Journal of the American Chemical Society</i> , 2012, 134, 1950-1953.	6.6	112
39	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.	5.0	11
40	Synthesis and electric properties of dicobalt silicide nanobelts. <i>Chemical Communications</i> , 2011, 47, 1255-1257.	2.2	15
41	Time-Resolved Annular Dark Field Imaging of Catalyst Nanoparticles. <i>ChemPhysChem</i> , 2010, 11, 2088-2090.	1.0	8
42	Probing Site Activity of Monodisperse Pt Nanoparticle Catalysts Using Steam Reforming of Methane. <i>Journal of Physical Chemistry Letters</i> , 2010, 1, 254-259.	2.1	17
43	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.	5.0	6
44	Carbon Dioxide Reforming of Methane by Ni/Co Nanoparticle Catalysts Immobilized on Single-Walled Carbon Nanotubes. <i>Energy & Fuels</i> , 2008, 22, 2183-2187.	2.5	21
45	Nanowires for solar energy and hydrogen production. , 2007, , .		0
46	Damage of supercoiled DNA by an ultrafast laser-driven electron x-ray source. <i>Optics Express</i> , 2007, 15, 754.	1.7	3
47	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.	1.5	5
48	Nanoscale Energy Deposition by X-ray Absorbing Nanostructures. <i>Journal of Physical Chemistry B</i> , 2007, 111, 11622-11625.	1.2	207
49	A Dual Catalytic Role of Co Nanoparticles in Bulk Synthesis of Si-Based Nanowires. , 2007, , 153-181.		0
50	Imaging Plume Dynamics with Ultrafast Hard X-rays. <i>Springer Series in Chemical Physics</i> , 2007, , 728-730.	0.2	0
51	More Power to X-rays: From Ultrafast Dynamics of Metal Complexes to Enhanced Damage to DNA. , 2007, , .		0
52	DNA Strand Breaks by a Laser-Driven Electron X-ray Source (LEXS). <i>Springer Series in Chemical Physics</i> , 2007, , 734-736.	0.2	0
53	Synthesis of Tubular Gold and Silver Nanoshells Using Silica Nanowire Core Templates. <i>Langmuir</i> , 2006, 22, 6367-6374.	1.6	46
54	Silica Nanocoils. <i>Journal of Physical Chemistry B</i> , 2006, 110, 8296-8301.	1.2	23

#	ARTICLE	IF	CITATIONS
55	Surface modification of gold nanotubules via microwave radiation, sonication and chemical etching. <i>Chemical Physics Letters</i> , 2006, 432, 195-199.	1.2	6
56	Synthesis and self-assembled ring structures of Ni nanocrystals. <i>Journal of Colloid and Interface Science</i> , 2006, 293, 430-436.	5.0	20
57	Determination of charge state of tungsten during ultrafast hard x-ray generation. , 2006, , 53-56.		0
58	Damaging DNA with Ultrafast Hard X-rays. , 2006, , .		0
59	Investigation of Plume Dynamics with Ultrafast Hard X-ray Absorption Spectroscopy. , 2006, , .		0
60	Ultrafast selected energy x-ray absorption spectroscopy investigations of Ni and Zn species. <i>Journal of Chemical Physics</i> , 2005, 122, 244710.	1.2	6
61	Coherent anti-Stokes Raman scattering microscopy with spectrally tailored ultrafast pulses. <i>Review of Scientific Instruments</i> , 2005, 76, 043108.	0.6	12
62	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.	0.8	11
63	Enhanced relaxation of nanoparticle-bound supercoiled DNA in X-ray radiation. <i>Chemical Communications</i> , 2005, , 3192.	2.2	60
64	Silicon-based nanowires from silicon wafers catalyzed by cobalt nanoparticles in a hydrogen environment. <i>Chemical Communications</i> , 2005, , 2274.	2.2	27
65	Atomic Tungsten for Ultrafast Hard X-ray Generation. <i>Journal of Physical Chemistry A</i> , 2005, 109, 4216-4220.	1.1	13
66	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.	1.2	7
67	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.	1.9	32
68	Growth of Self-Aligned Crystalline Cobalt Silicide Nanostructures from Co Nanoparticles.. <i>ChemInform</i> , 2004, 35, no.	0.1	0
69	Investigation of Co nanoparticles with EXAFS and XANES. <i>Chemical Physics Letters</i> , 2004, 400, 122-127.	1.2	69
70	Growth of Self-Aligned Crystalline Cobalt Silicide Nanostructures from Co Nanoparticles. <i>Journal of Physical Chemistry B</i> , 2004, 108, 6901-6904.	1.2	19
71	Alkanethiol-Induced Structural Rearrangements in Silica@Gold Core@Shell-type Nanoparticle Clusters: An Opportunity for Chemical Sensor Engineering. <i>Langmuir</i> , 2004, 20, 5553-5558.	1.6	68
72	Ultrafast selected-energy x-ray absorption spectroscopy (USEXAS) with a laser-driven x-ray source. , 2004, 5340, 113.		1

#	ARTICLE	IF	CITATIONS
73	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.	1.2	31
74	Compact 50-Hz terawatt Ti:sapphire laser for x-ray and nonlinear optical spectroscopy. <i>Applied Optics</i> , 2002, 41, 5148.	2.1	18
75	Picosecond-attosecond lattice dynamics measured by ultrafast X-ray diffraction. <i>Nature</i> , 1999, 398, 310-312.	13.7	531
76	A 50-EW/cm ² Ti:sapphire laser system for studying relativistic light-matter interactions. <i>Optics Express</i> , 1999, 5, 196.	1.7	55
77	Ultrafast movies of atomic motion with femtosecond laser-based x rays. , 1999, , .		6
78	Ultrafast X-ray diffraction measurements with a laser-produced plasma source. , 1998, , .		1
79	Picosecond-milliangstrom resolution dynamics by ultrafast x-ray diffraction. , 1997, , .		27
80	Self-Assembly of Tubular Fullerenes. <i>The Journal of Physical Chemistry</i> , 1995, 99, 10694-10697.	2.9	499
81	Fullerene doped glasses. <i>Applied Physics Letters</i> , 1994, 65, 2522-2524.	1.5	14
82	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.) <i>Tj ETQq0,0 0 rgBT /Overlock</i>	1.2	158
83	Uranium Stabilization of C ₂₈ : A Tetravalent Fullerene. <i>Science</i> , 1992, 257, 1661-1664.	6.0	445
84	Ab initio calculations of tetrahedral hydrogenated buckminsterfullerene. <i>Chemical Physics Letters</i> , 1992, 191, 527-532.	1.2	46
85	Fullerenes with metals inside. <i>The Journal of Physical Chemistry</i> , 1991, 95, 7564-7568.	2.9	1,248
86	Doping bucky: formation and properties of boron-doped buckminsterfullerene. <i>The Journal of Physical Chemistry</i> , 1991, 95, 4948-4950.	2.9	398
87	Electronic shell closings in metal cluster plus adsorbate systems: Cu+7CO and Cu+17CO. <i>Journal of Chemical Physics</i> , 1991, 95, 6181-6184.	1.2	67
88	Ultrafast X-ray diffraction measurements with a laser-produced plasma source. , 0, , .		1