

Joanna Olesiak-Banska

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5853818/publications.pdf>

Version: 2024-02-01

53
papers

1,210
citations

304602

22
h-index

395590

33
g-index

56
all docs

56
docs citations

56
times ranked

1986
citing authors

#	ARTICLE	IF	CITATIONS
1	Two-photon absorption and photoluminescence of colloidal gold nanoparticles and nanoclusters. <i>Chemical Society Reviews</i> , 2019, 48, 4087-4117.	18.7	146
2	Third-Order Nonlinear Optical Properties of Colloidal Gold Nanorods. <i>Journal of Physical Chemistry C</i> , 2012, 116, 13731-13737.	1.5	83
3	Post-synthesis reshaping of gold nanorods using a femtosecond laser. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 71-78.	1.3	61
4	Bio-mediated synthesis, characterization and cytotoxicity of gold nanoparticles. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 29014-29019.	1.3	47
5	Selective parallel G-quadruplex recognition by a NIR-to-NIR two-photon squaraine. <i>Chemical Science</i> , 2018, 9, 8375-8381.	3.7	44
6	Photochromic switching of the DNA helicity induced by azobenzene derivatives. <i>Scientific Reports</i> , 2016, 6, 28605.	1.6	42
7	pH-Induced transformation of ligated Au ₂₅ to brighter Au ₂₃ nanoclusters. <i>Nanoscale</i> , 2018, 10, 11335-11341.	2.8	39
8	A closer look at two-photon absorption, absorption saturation and nonlinear refraction in gold nanoclusters. <i>RSC Advances</i> , 2016, 6, 98748-98752.	1.7	38
9	Synthesis, optical and nonlinear optical properties of new pyrazoline derivatives. <i>Dyes and Pigments</i> , 2014, 102, 63-70.	2.0	36
10	Quadratic and Cubic Nonlinear Optical Properties of Salts of Diquat-Based Chromophores with Diphenylamino Substituents. <i>Journal of Physical Chemistry A</i> , 2010, 114, 12028-12041.	1.1	35
11	Linear Optical and Third-Order Nonlinear Optical Properties of Some Fluorenyl- and Triarylamine-Containing Tetracyanobutadiene Derivatives. <i>Chemistry - A European Journal</i> , 2016, 22, 10155-10167.	1.7	35
12	Cubic nonlinear optical properties of new zinc tetraphenyl porphyrins peripherally functionalized with electron-rich Ru(II) alkynyl substituents. <i>Tetrahedron</i> , 2012, 68, 10351-10359.	1.0	31
13	Remarkable Effect of Iridium Cyclometalation on the Nonlinear Absorption Properties of a Quadrupolar Imine Ligand. <i>Inorganic Chemistry</i> , 2013, 52, 10705-10707.	1.9	28
14	Popcorn-shaped gold nanoparticles: Plant extract-mediated synthesis, characterization and multiphoton-excited luminescence properties. <i>Materials Chemistry and Physics</i> , 2019, 229, 56-60.	2.0	27
15	Polarization-Sensitive Two-Photon Microscopy Study of the Organization of Liquid-Crystalline DNA. <i>Biophysical Journal</i> , 2009, 97, 2348-2357.	0.2	25
16	Shell-thickness-dependent nonlinear optical properties of colloidal gold nanoshells. <i>Journal of Materials Chemistry C</i> , 2014, 2, 7239-7246.	2.7	25
17	Biogenic gold nanoparticles enhance methylene blue-induced phototoxic effect on <i>Staphylococcus epidermidis</i> . <i>Journal of Nanoparticle Research</i> , 2014, 16, 1.	0.8	25
18	Interactions of Isophorone Derivatives with DNA: Spectroscopic Studies. <i>PLoS ONE</i> , 2015, 10, e0129817.	1.1	25

#	ARTICLE	IF	CITATIONS
19	Interactions of a biocompatible water-soluble anthracenyl polymer derivative with double-stranded DNA. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 30318-30327.	1.3	24
20	One- and Two-Photon Absorption of a Spiropyranâ€“Merocyanine System: Experimental and Theoretical Studies. <i>Journal of Physical Chemistry B</i> , 2015, 119, 1515-1522.	1.2	23
21	Gold nanorods as multifunctional probes in a liquid crystalline DNA matrix. <i>Nanoscale</i> , 2013, 5, 10975.	2.8	22
22	Revealing Spectral Features in Two-Photon Absorption Spectrum of Hoechst 33342: A Combined Experimental and Quantum-Chemical Study. <i>Journal of Physical Chemistry B</i> , 2013, 117, 12013-12019.	1.2	22
23	Unravelling the Binding Mechanism of a Poly(cationic) Anthracenyl Fluorescent Probe with High Affinity toward Double-Stranded DNA. <i>Biomacromolecules</i> , 2016, 17, 3609-3618.	2.6	22
24	DNA as scaffolding for nanophotonic structures. <i>Journal of Nanophotonics</i> , 2012, 6, 064505-1.	0.4	21
25	A Fluorescent Polymer Probe with High Selectivity toward Vascular Endothelial Cells for and beyond Noninvasive Two-Photon Intravital Imaging of Brain Vasculature. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 17047-17059.	4.0	20
26	Influence of Atmospheric Pressure Non-thermal Plasma on Inactivation of Biofilm Cells. <i>Plasma Chemistry and Plasma Processing</i> , 2018, 38, 1181-1197.	1.1	20
27	Lattice Shrinkage by Incorporation of Recombinant Starmakerâ€“Like Protein within Bioinspired Calcium Carbonate Crystals. <i>Chemistry - A European Journal</i> , 2019, 25, 12740-12750.	1.7	20
28	Two-Photon Imaging of 3D Organization of Bimetallic AuAg Nanoclusters in DNA Matrix. <i>Langmuir</i> , 2017, 33, 8993-8999.	1.6	18
29	Liquid crystal phases of DNA: Evaluation of DNA organization by twoâ€“photon fluorescence microscopy and polarization analysis. <i>Biopolymers</i> , 2011, 95, 365-375.	1.2	15
30	Autofluorescence of Amyloids Determined by Enantiomeric Composition of Peptides. <i>Journal of Physical Chemistry B</i> , 2021, 125, 5502-5510.	1.2	15
31	A 5-(difluorenyl)-1,10-phenanthroline-based Ru(II) complex as a coating agent for potential multifunctional gold nanoparticles. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 14826-14833.	1.3	14
32	Synthesis and optical properties of water-soluble fluoride nanophosphors co-doped with Eu ³⁺ and Tb ³⁺ . <i>Optical Materials</i> , 2011, 33, 1419-1423.	1.7	13
33	Nonlinear absorption spectra of ethidium and ethidium homodimer. <i>Chemical Physics</i> , 2012, 404, 33-35.	0.9	12
34	Two-photon chiro-optical properties of gold Au ₂₅ nanoclusters. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 24523-24526.	1.3	12
35	Photothermal stability of biologically and chemically synthesized gold nanoprisms. <i>Journal of Nanoparticle Research</i> , 2017, 19, 327.	0.8	11
36	DNA liquid crystals doped with AuAg nanoclusters: One-photon and two-photon imaging. <i>Journal of Molecular Liquids</i> , 2018, 259, 82-87.	2.3	11

#	ARTICLE	IF	CITATIONS
37	Fish Otolith Matrix Macromolecule-64 (OMM-64) and Its Role in Calcium Carbonate Biomineralization. <i>Crystal Growth and Design</i> , 2020, 20, 5808-5819.	1.4	11
38	One- and Two-Photon Excited Autofluorescence of Lysozyme Amyloids. <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 4673-4681.	2.1	10
39	Stabilization of DNA liquid crystals on doping with gold nanorods. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 7278-7283.	1.3	8
40	Photochemical analysis of structural transitions in DNA liquid crystals reveals differences in spatial structure of DNA molecules organized in liquid crystalline form. <i>Scientific Reports</i> , 2018, 8, 4528.	1.6	8
41	Dinuclear Rhenium Complexes with a Bridging Heliceneâ€bisâ€bipyridine Ligand: Synthesis, Structure, and Photophysical and Chiroptical Properties. <i>ChemPlusChem</i> , 2020, 85, 2446-2454.	1.3	7
42	Two-Photon Excited Polarization-Dependent Autofluorescence of Amyloids as a Label-Free Method of Fibril Organization Imaging. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 1432-1437.	2.1	7
43	Circular Dichroism of Gold Bipyramid Dimers. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 5208-5213.	2.1	7
44	Plasmonic Enhancement of Two-Photon Excited Luminescence of Gold Nanoclusters. <i>Molecules</i> , 2022, 27, 807.	1.7	7
45	Z-scan studies of nonlinear optical properties of colloidal gold nanorods and nanoshells. <i>Journal of Nanophotonics</i> , 2014, 9, 093797.	0.4	6
46	Two-photon excited luminescence and second-harmonic generation in quinacridone microstructures. <i>Dyes and Pigments</i> , 2020, 177, 108268.	2.0	6
47	Gold Nanoclusters Display Low Immunogenic Effect in Microglia Cells. <i>Nanomaterials</i> , 2021, 11, 1066.	1.9	6
48	Spontaneous formation of liquid crystalline phases and phase transitions in highly concentrated plasmid DNA. <i>Liquid Crystals</i> , 2011, 38, 461-468.	0.9	5
49	Shape and size separation of gold nanoparticles using glucose gradient density. <i>Proceedings of SPIE</i> , 2012, , .	0.8	4
50	Amyloid fibrils in superstructures â€“ local ordering revealed by polarization analysis of two-photon excited autofluorescence. <i>Biomaterials Science</i> , 2022, 10, 1554-1561.	2.6	3
51	Nonlinear absorption in nanosystems of biological significance.. <i>Materials Research Society Symposia Proceedings</i> , 2014, 1698, 7.	0.1	2
52	Comparison of third-order nonlinear optical properties of colloidal gold nanoshells and nanorods. , 2014, , .		1
53	Surface plasmon influence on two-photon luminescence from single gold nanorods. , 2014, , .		1