

# Alina Dudkowiak

## List of Publications by Year in descending order

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63  
papers

668  
citations

643344

15  
h-index

799663

21  
g-index

66  
all docs

66  
docs citations

66  
times ranked

711  
citing authors

#	ARTICLE	IF	CITATIONS
1	Encapsulation Protocol for Flexible Perovskite Solar Cells Enabling Stability in Accelerated Aging Tests. <i>Energy and Environmental Materials</i> , 2023, 6, .	7.3	6
2	Tailoring Fluorescence and Singlet Oxygen Generation of a Chlorophyll Derivative and Gold Nanorods via a Silica Shell. <i>Journal of Physical Chemistry C</i> , 2020, 124, 2088-2095.	1.5	14
3	New Synthetic Route of Ultrapure Alkylammonium Iodides for Perovskite Thin Films of Superior Optoelectronic Properties. <i>Energy Technology</i> , 2020, 8, 2000478.	1.8	3
4	Flame retardant effect of lignin/carbon nanotubes/potassium carbonate composite coatings on cotton roving. <i>Cellulose</i> , 2020, 27, 7271-7281.	2.4	19
5	Quality evaluation of monoenergetic images generated by dual-energy computed tomography for radiotherapy: A phantom study. <i>Physica Medica</i> , 2019, 63, 48-55.	0.4	6
6	Preparation and applications of electrically conductive wood layered composites. <i>Composites Part A: Applied Science and Manufacturing</i> , 2019, 127, 105656.	3.8	17
7	Laser-Induced Photoacoustic Spectroscopy Studies of Inorganic Functionalized Metallic Nanorods. <i>Journal of Physical Chemistry C</i> , 2019, 123, 27181-27186.	1.5	11
8	The origin of the dark S <sub>1</sub> state in carotenoids: a comprehensive model. <i>Journal of the Royal Society Interface</i> , 2019, 16, 20190191.	1.5	16
9	Coating Cellulosic Materials with Graphene for Selective Absorption of Oils and Organic Solvents from Water. <i>Fibers and Polymers</i> , 2018, 19, 524-530.	1.1	11
10	Towards the development of superhydrophobic carbon nanomaterial coatings on wood. <i>Progress in Organic Coatings</i> , 2018, 125, 23-31.	1.9	35
11	Intrinsic Photoprotective Mechanisms in Chlorophylls. <i>Angewandte Chemie</i> , 2017, 129, 10593-10597.	1.6	3
12	Intrinsic Photoprotective Mechanisms in Chlorophylls. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 10457-10461.	7.2	21
13	Impedance study of undoped, polycrystalline diamond layers obtained by HF CVD. <i>Applied Physics A: Materials Science and Processing</i> , 2017, 123, 1.	1.1	2
14	Off-beam quartz-enhanced photoacoustic spectroscopy-based sensor for hydrogen sulfide trace gas detection using a mode-hop-free external cavity quantum cascade laser. <i>Applied Physics B: Lasers and Optics</i> , 2017, 123, 1.	1.1	24
15	Fluorescence quenching and energy transfer in a system of hybrid laser dye and functionalized gold nanoparticles. <i>Journal of Luminescence</i> , 2017, 183, 303-310.	1.5	9
16	Structural and Electrical Characterization of Undoped Diamond Layer Grown by HF CVD. <i>Acta Physica Polonica A</i> , 2017, 132, 1411-1414.	0.2	2
17	Temperature dependence of stress in CVD diamond films studied by Raman spectroscopy. <i>Materials Science-Poland</i> , 2015, 33, 620-626.	0.4	7
18	Characterization of Langmuir monolayer, Langmuir-Blodgett and Langmuir-Schaefer films formed by POSS compounds. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2015, 464, 110-120.	2.3	24

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19	Multiwavelength excitation of photosensitizers interacting with gold nanoparticles and its impact on optical properties of their hybrid mixtures. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 27366-27372.	1.3	12
20	Adsorption properties of biologically active derivatives of quaternary ammonium surfactants and their mixtures at aqueous/air interface. I. Equilibrium surface tension, surfactant aggregation and wettability. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 110, 387-394.	2.5	8
21	Molecular symmetry determines the mechanism of a very efficient ultrafast excitation-to-heat conversion in Ni-substituted chlorophylls. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2013, 1827, 30-37.	0.5	17
22	Photophysical and Thermodynamic Parameters of Hematoporphyrin in Solutions and Monolayers. <i>International Journal of Thermophysics</i> , 2013, 34, 588-596.	1.0	8
23	Heavy Metals Effect on Cyanobacteria <i>Synechocystis aquatilis</i> Study Using Absorption, Fluorescence, Flow Cytometry, and Photothermal Measurements. <i>International Journal of Thermophysics</i> , 2011, 32, 762-773.	1.0	22
24	Spectral Properties and Deactivation Processes of Anionic Porphyrin Coupled with TiO <sub>2</sub> Nanostructure. <i>International Journal of Thermophysics</i> , 2010, 31, 163-171.	1.0	8
25	Photochemical Activity of Merocyanine Dyes. <i>International Journal of Thermophysics</i> , 2010, 31, 172-179.	1.0	0
26	The in situ characterization of bacteriochlorophyll c in Langmuir monolayers using polarized UV-vis spectroscopy. <i>Dyes and Pigments</i> , 2010, 86, 227-232.	2.0	1
27	Fluorescence Spectroscopy in Optoelectronics, Photomedicine, and Investigation of Biomolecular Systems. <i>Reviews in Fluorescence</i> , 2010, , 237-275.	0.5	2
28	The spectroscopic characterisation of proline derivatives of tolyl-porphyrins and their iron and cobalt complexes. <i>Journal of Molecular Structure</i> , 2008, 876, 177-185.	1.8	9
29	Spectral and thermodynamic characterization of bacteriochlorophyll c and dipalmitoylphosphatidylcholine in the binary mixed monolayers. <i>Journal of Molecular Structure</i> , 2008, 887, 128-134.	1.8	1
30	Dipole Strengths of the Q <sub>y</sub> (0,0) Bacteriochlorophyll c Transition. <i>Photochemistry and Photobiology</i> , 2007, 78, 525-528.	1.3	0
31	Orientation and spectral properties of two stilbazolium merocyanine dyes in stretched and unstretched polyvinyl alcohol films. <i>Acta Biochimica Polonica</i> , 2007, 54, 647-656.	0.3	3
32	Orientation and spectral properties of two stilbazolium merocyanine dyes in stretched and unstretched polyvinyl alcohol films. <i>Acta Biochimica Polonica</i> , 2007, 54, 647-56.	0.3	1
33	Porphyrins and Phthalocyanines – Functional Molecular Materials for Optoelectronics and Medicine. <i>Molecular Crystals and Liquid Crystals</i> , 2006, 448, 15/[617]-38/[640].	0.4	32
34	Radiative and nonradiative deexcitation of pigments from natural oils. <i>European Physical Journal Special Topics</i> , 2006, 137, 309-316.	0.2	2
35	Photophysical studies of tetratolylporphyrin photosensitizers for potential medical applications. <i>Journal of Molecular Structure</i> , 2006, 792-793, 93-98.	1.8	24
36	The photochemical stability of oil from Evening Primrose seeds. <i>Dyes and Pigments</i> , 2006, 70, 177-184.	2.0	6

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37	Photostability and the yield of triplet state generation of bacteriochlorophyll c and bacteriopheophytin c in solution. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2005, 61, 2033-2039.	2.0	12
38	Spectral properties of stilbazolium merocyanines – potential sensitizers in photodynamic therapy and diagnosis. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2005, 169, 159-168.	2.0	9
39	The efficiency of the generation of photochemically active triplet states in oils containing various amounts of natural pigments. <i>Dyes and Pigments</i> , 2005, 64, 109-116.	2.0	8
40	Selection of photosensitizers for photodynamic therapy of cancer using time-resolved photothermal spectroscopy. <i>European Physical Journal Special Topics</i> , 2005, 129, 217-223.	0.2	1
41	Spectral properties of stilbazolium merocyanines – potential sensitizers in photodynamic therapy and diagnosis. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2004, 163, 127-134.	2.0	11
42	Preliminary studies of phthalocyanine sensitizers incorporated into human leukemia cells from two cell-lines. <i>Acta Biochimica Polonica</i> , 2004, 51, 703-710.	0.3	6
43	Applications of photothermic methods in photodynamic therapy investigations. <i>European Physical Journal Special Topics</i> , 2003, 109, 33-41.	0.2	3
44	Dipole Strengths of the Q <sub>y</sub> (0,0) Bacteriochlorophyll c Transition. <i>Photochemistry and Photobiology</i> , 2003, 78, 525.	1.3	3
45	Spectral Properties of Bacteriochlorophyll c in Organisms and in Model Systems. <i>Journal of Fluorescence</i> , 2001, 11, 53-63.	1.3	4
46	Spectroscopic properties of bacteriochlorophyll c in Langmuir monolayers in the absence and presence of amphiphilic peptides. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2000, 134, 177-183.	2.0	2
47	Interactions of Chlorophyll and Polypeptide Mixture with Bacterial Reaction Centres. <i>Photosynthetica</i> , 2000, 38, 1-6.	0.9	2
48	Chlorophyll a aggregates stabilized by a synthesized peptide. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1999, 129, 51-55.	2.0	5
49	Photoelectrical properties of green bacteria cells and cell fragments located in electrochemical cell. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1998, 115, 63-68.	2.0	16
50	The influence of rigid matrices on the processes of deactivation of excited bacteriochlorophyll c. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1998, 115, 151-155.	2.0	4
51	The interactions between bacteriochlorophyll c and amphiphilic peptides. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1998, 116, 147-151.	2.0	6
52	The orientation of bacteriochlorophyll c in green bacteria cells and cell fragments. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 1998, 42, 57-66.	1.7	19
53	Fluorescence lifetimes of oriented green bacteria cells, cell fragments and oriented bacteriochlorophyll c molecules. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 1998, 44, 231-239.	1.7	11
54	Interactions of chlorophyll a with synthesized peptide in aqueous solution. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 1998, 45, 43-50.	1.7	7

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55	Energy deactivation pathways of porphyrins and dopa melanin in polyvinyl alcohol systems. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 1998, 47, 165-172.	1.7	13
56	The influence of the presence of lipid on the aggregation of 8,12-diethyl farnesyl bacteriochlorophyll c located in adsorbed layers and monolayers. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 1997, 39, 73-80.	1.7	9
57	Spectral properties of bacteriochlorophyll c in nematic liquid crystal. Part 1. Monomeric forms of dye. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 1996, 52, 251-264.	2.0	23
58	Spectral properties of BChl c in nematic liquid crystals. II: Aggregated form of dye. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 1996, 52, 1661-1669.	2.0	20
59	Electrochemical cell with bacteriochlorophyll c and chlorophylls a and b in nematic liquid crystal. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1996, 98, 159-163.	2.0	15
60	Aggregation of 8,12-diethyl farnesyl bacteriochlorophyll c at low temperature. <i>Photosynthesis Research</i> , 1995, 46, 427-433.	1.6	23
61	DELAYED MICROSECOND LUMINESCENCE OF PHYCOBILISOMES. <i>Photochemistry and Photobiology</i> , 1993, 57, 81-85.	1.3	9
62	Fluorescence anisotropy of cyanobacterial phycobilisomes oriented in polyvinyl alcohol (PVA) films. <i>Journal of Fluorescence</i> , 1991, 1, 225-234.	1.3	12
63	Polarized absorption and emission spectra of stilbazolium merocyanines. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1990, 54, 37-48.	2.0	22