

Piotr Hanczyc

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3094776/publications.pdf>

Version: 2024-02-01

23
papers

332
citations

840119

11
h-index

839053

18
g-index

23
all docs

23
docs citations

23
times ranked

569
citing authors

#	ARTICLE	IF	CITATIONS
1	Multiphoton absorption in amyloid protein fibres. <i>Nature Photonics</i> , 2013, 7, 969-972.	15.6	88
2	Stimulated Emission from Rhodamine 6G Aggregates Self-Assembled on Amyloid Protein Fibrils. <i>ACS Photonics</i> , 2015, 2, 1755-1762.	3.2	32
3	Two-photon absorption of metal-organic DNA-probes. <i>Dalton Transactions</i> , 2012, 41, 3123.	1.6	30
4	Low-threshold stimulated emission from lysozyme amyloid fibrils doped with a blue laser dye. <i>Applied Physics Letters</i> , 2015, 106, .	1.5	17
5	Identification of Thioflavin T Binding Modes to DNA: A Structure-Specific Molecular Probe for Lasing Applications. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 5436-5442.	2.1	17
6	Nonlinear absorption and nonlinear refraction: maximizing the merit factors. <i>Proceedings of SPIE</i> , 2012, , .	0.8	14
7	Utilizing formation of dye aggregates with aggregation-induced emission characteristics for enhancement of two-photon absorption. <i>Journal of Materials Chemistry C</i> , 2018, 6, 4384-4388.	2.7	13
8	Nonlinear absorption spectra of ethidium and ethidium homodimer. <i>Chemical Physics</i> , 2012, 404, 33-35.	0.9	12
9	Interactions of Binuclear Ruthenium(II) Complexes with Oligonucleotides in Hydrogel Matrix: Enantioselective Threading Intercalation into GC Context. <i>Journal of Physical Chemistry B</i> , 2013, 117, 2947-2954.	1.2	12
10	Air-Water Interface Assembly of Protein Nanofibrils Promoted by Hydrophobic Additives. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 9289-9299.	3.2	12
11	Binuclear ruthenium(II) complexes for amyloid fibrils recognition. <i>Chemical Physics</i> , 2014, 445, 1-4.	0.9	11
12	DNA in a Polyvinyl Alcohol Matrix and Interactions with Three Intercalating Cyanine Dyes. <i>Journal of Physical Chemistry B</i> , 2011, 115, 12192-12201.	1.2	10
13	Laser Emission of Thioflavin T Uncovers Protein Aggregation in Amyloid Nucleation Phase. <i>ACS Photonics</i> , 2021, 8, 2598-2609.	3.2	10
14	Two-photon absorption of polyfluorene aggregates stabilized by insulin amyloid fibrils. <i>RSC Advances</i> , 2015, 5, 49363-49368.	1.7	9
15	Short Oligonucleotides Aligned in Stretched Humid Matrix: Secondary DNA Structure in Poly(vinyl) Tj ETQq1 1 0.784314 rgBT ₇ /Overlook	1.6	7
16	Two-photon excited lasing of Coumarin 307 for lysozyme amyloid fibrils detection. <i>Journal of Biophotonics</i> , 2019, 12, e201900052.	1.1	7
17	Laser-Induced Population Inversion in Rhodamine 6G for Lysozyme Oligomer Detection. <i>Biochemistry</i> , 2017, 56, 2762-2765.	1.2	6
18	Ultrafast Time-Resolved Studies on Fluorescein for Recognition Strands Architecture in Amyloid Fibrils. <i>Journal of Physical Chemistry B</i> , 2018, 122, 8-18.	1.2	6

#	ARTICLE	IF	CITATIONS
19	Two-photon excited lasing for detection of amyloids in brain tissue. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2022, 228, 112392.	1.7	6
20	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
21	Tunable photophysical properties of thiophene based chromophores: a conjoined experimental and theoretical investigation. <i>New Journal of Chemistry</i> , 2019, 43, 6728-6736.	1.4	5
22	Nonlinear absorption in nanosystems of biological significance.. <i>Materials Research Society Symposia Proceedings</i> , 2014, 1698, 7.	0.1	2
23	Surface patterns of insulin fibrils revealed by time-resolved spectroscopy measurements of fluorescent probes. <i>Journal of Luminescence</i> , 2018, 201, 31-37.	1.5	1