

# Angela Staicu

## List of Publications by Year in descending order

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48  
papers

546  
citations

567281

15  
h-index

713466

21  
g-index

48  
all docs

48  
docs citations

48  
times ranked

597  
citing authors

#	ARTICLE	IF	CITATIONS
1	D2 $\pi$ 0 transition of the anthracene cation observed by cavity ring-down absorption spectroscopy in a supersonic jet. <i>Chemical Physics Letters</i> , 2004, 386, 259-264.	2.6	58
2	Ultraviolet spectroscopy of pyrene in a supersonic jet and in liquid helium droplets. <i>Journal of Chemical Physics</i> , 2004, 120, 6028-6034.	3.0	35
3	Pulsed cavity ring-down spectroscopy of NO and NO <sub>2</sub> in the exhaust of a diesel engine. <i>Applied Physics B: Lasers and Optics</i> , 2002, 74, 465-468.	2.2	28
4	Exposure of Chlorpromazine to 266 nm Laser Beam Generates New Species with Antibacterial Properties: Contributions to Development of a New Process for Drug Discovery. <i>PLoS ONE</i> , 2013, 8, e55767.	2.5	25
5	S1(A11) $\pi$ 0(A11) transition of benzo[g,h,i]perylene in supersonic jets and rare gas matrices. <i>Journal of Chemical Physics</i> , 2007, 126, 174311.	3.0	24
6	Spectroscopic Characterization of Emulsions Generated with a New Laser-Assisted Device. <i>Molecules</i> , 2020, 25, 1729.	3.8	23
7	Cavity ring-down laser absorption spectroscopy of jet-cooled anthracene. <i>Molecular Physics</i> , 2004, 102, 1777-1783.	1.7	22
8	Characterization of mixtures of compounds produced in chlorpromazine aqueous solutions by ultraviolet laser irradiation: their applications in antimicrobial assays. <i>Journal of Biomedical Optics</i> , 2014, 20, 1.	2.6	21
9	Minimal invasive control of paintings cleaning by LIBS. <i>Optics and Laser Technology</i> , 2016, 77, 187-192.	4.6	19
10	Direct Modification of Bioactive Phenothiazines by Exposure to Laser Radiation. <i>Recent Patents on Anti-infective Drug Discovery</i> , 2011, 6, 147-157.	0.8	19
11	MAPLE deposition of PLGA:PEG films for controlled drug delivery: Influence of PEG molecular weight. <i>Applied Surface Science</i> , 2012, 258, 9302-9308.	6.1	18
12	Protein reactivity with singlet oxygen: Influence of the solvent exposure of the reactive amino acid residues. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2016, 159, 106-110.	3.8	18
13	Photophysical study of Zn phthalocyanine in binary solvent mixtures. <i>Journal of Molecular Structure</i> , 2013, 1044, 188-193.	3.6	17
14	Spectrochemical analysis of powdered biological samples using transversely excited atmospheric carbon dioxide laser plasma excitation. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2017, 128, 22-29.	2.9	17
15	Enhanced fluorescence emitted by microdroplets containing organic dye emulsions. <i>Biomicrofluidics</i> , 2015, 9, 014126.	2.4	15
16	Effect of annealing treatment on the structural and optical properties of AZO samples. <i>Applied Surface Science</i> , 2015, 352, 23-27.	6.1	15
17	Electronic spectroscopy of polycyclic aromatic hydrocarbons (PAHs) at low temperature in the gas phase and in helium droplets. <i>Journal of Molecular Structure</i> , 2006, 786, 105-111.	3.6	14
18	Cavity Ring-Down Laser Absorption Spectroscopy of Jet-Cooled L-Tryptophan. <i>Journal of Physical Chemistry A</i> , 2009, 113, 8187-8194.	2.5	14

#	ARTICLE	IF	CITATIONS
19	Low Blue Dose Photodynamic Therapy with Porphyrin-Iron Oxide Nanoparticles Complexes: In Vitro Study on Human Melanoma Cells. <i>Pharmaceutics</i> , 2021, 13, 2130.	4.5	13
20	Doxorubicin-Conjugated Iron Oxide Nanoparticles Synthesized by Laser Pyrolysis: In Vitro Study on Human Breast Cancer Cells. <i>Polymers</i> , 2020, 12, 2799.	4.5	12
21	Optical Characterization of Ciprofloxacin Photolytic Degradation by UV-Pulsed Laser Radiation. <i>Molecules</i> , 2021, 26, 2324.	3.8	11
22	Laser induced breakdown spectroscopy stratigraphic characterization of multilayered painted surfaces. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2012, 74-75, 151-155.	2.9	10
23	Surface properties of Vancomycin after interaction with laser beams. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2015, 480, 328-335.	4.7	10
24	Insights into the photophysics of zinc phthalocyanine and photogenerated singlet oxygen in DMSO-water mixture. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016, 505, 197-203.	4.7	10
25	Laser beams resonant interaction with micro-droplets which have a controlled content. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2010, 365, 83-88.	4.7	9
26	Analysis of lead-based archaeological pottery glazes by laser induced breakdown spectroscopy. <i>Optics and Laser Technology</i> , 2021, 134, 106599.	4.6	9
27	Photophysics of covalently functionalized single wall carbon nanotubes with verteporfin. <i>Applied Surface Science</i> , 2017, 417, 170-174.	6.1	8
28	S1 $\rightarrow$ S0 transition of 2,3-benzofluorene at low temperatures in the gas phase. <i>Journal of Chemical Physics</i> , 2008, 129, 074302.	3.0	7
29	Photosensitized cleavage of some olefins as potential linkers to be used in drug delivery. <i>Applied Surface Science</i> , 2017, 417, 136-142.	6.1	7
30	Studies on laser induced emission of microdroplets containing Rhodamine 6G solutions in water doped with TiO <sub>2</sub> nanoparticles. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2017, 519, 238-244.	4.7	7
31	Lasing of optically pumped large droplets: instant and gradual blueshift. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2018, 35, 1950.	2.1	7
32	Fluorescence and Time-Delayed Lasing during Single Laser Pulse Excitation of a Pendant mm-Sized Dye Droplet. <i>Molecules</i> , 2019, 24, 4464.	3.8	7
33	Laser beam resonant interaction of new hydantoin derivatives droplets for possible biomedical applications. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016, 505, 37-46.	4.7	3
34	High performance thin layer chromatography-densitometry method based on picosecond laser-induced fluorescence for the analysis of thioridazine and its photoproducts. <i>Journal of Chromatography A</i> , 2021, 1655, 462488.	3.7	3
35	<title>Optical properties of cytostatic drugs used in cancer treatment</title>. , 2001, , ,		2
36	Spectroscopic investigations of novel pharmaceuticals: Stability and resonant interaction with laser beam. <i>Applied Surface Science</i> , 2017, 417, 143-148.	6.1	2

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37	Scattering resonances observed in the lasing emission spectrum of large dye-doped droplets. Optics and Laser Technology, 2021, 140, 107088.	4.6	2
38	Laser Modified Phenothiazines and Hydantoin: Photo-products Characterisation and Application on Animal Eyes Pseudo-tumours. Letters in Drug Design and Discovery, 2018, 15, 687-697.	0.7	2
39	Detection of atmospheric pollutants by pulsed photoacoustic spectroscopy. , 1998, , .		1
40	Contribution to the spectroscopic study of cytostatics molecules. , 2001, , .		1
41	<title>Spectroscopic studies of drugs used in the treatment of malignant tumors in ophthalmology</title>. , 2001, 4606, 52.		1
42	Differential absorption measurements of the NO <sub>2</sub> , SO <sub>2</sub> atmospheric pollutants. , 1995, 2461, 663.		0
43	Studies on cytostatics used as photosensitizing material in photodynamic therapy. , 2002, , .		0
44	<title>Cavity ring-down spectroscopy of carbon-containing molecules</title>. , 2004, , .		0
45	<title>Studies on activated cytostatic fluorouracil as photosensitizer: to use in eye tumor treatment</title>. , 2004, 5610, 87.		0
46	Optical investigation of medicine solutions in micro-droplets form at interaction with laser radiation. Proceedings of SPIE, 2011, , .	0.8	0
47	Laser induced breakdown spectroscopy surface analysis correlated with the process of nanoparticle production by laser ablation in liquids. Hyperfine Interactions, 2013, 216, 139-143.	0.5	0
48	Generation and biological evaluation of the products formed from the exposure of Phenothiazine to a 266nm laser beam. Proceedings of SPIE, 2013, , .	0.8	0