Angela Staicu

List of Publications by Year
in descending order

48	546	567281 15	713466 21
papers	citations	h-index	g-index

48	48	48	597
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Analysis of lead-based archaeological pottery glazes by laser induced breakdown spectroscopy. Optics and Laser Technology, 2021, 134, 106599.	4.6	9
2	Optical Characterization of Ciprofloxacin Photolytic Degradation by UV-Pulsed Laser Radiation. Molecules, 2021, 26, 2324.	3.8	11
3	Scattering resonances observed in the lasing emission spectrum of large dye-doped droplets. Optics and Laser Technology, 2021, 140, 107088.	4.6	2
4	High performance thin layer chromatography-densitometry method based on picosecond laser-induced fluorescence for the analysis of thioridazine and its photoproducts. Journal of Chromatography A, 2021, 1655, 462488.	3.7	3
5	Low Blue Dose Photodynamic Therapy with Porphyrin-Iron Oxide Nanoparticles Complexes: In Vitro Study on Human Melanoma Cells. Pharmaceutics, 2021, 13, 2130.	4.5	13
6	Doxorubicin-Conjugated Iron Oxide Nanoparticles Synthesized by Laser Pyrolysis: In Vitro Study on Human Breast Cancer Cells. Polymers, 2020, 12, 2799.	4.5	12
7	Spectroscopic Characterization of Emulsions Generated with a New Laser-Assisted Device. Molecules, 2020, 25, 1729.	3.8	23
8	Fluorescence and Time-Delayed Lasing during Single Laser Pulse Excitation of a Pendant mm-Sized Dye Droplet. Molecules, 2019, 24, 4464.	3.8	7
9	Lasing of optically pumped large droplets: instant and gradual blueshift. Journal of the Optical Society of America B: Optical Physics, 2018, 35, 1950.	2.1	7
10	Laser Modified Phenothiazines and Hydantoins: Photo-products Characterisation and Application on Animal Eyes Pseudo-tumours. Letters in Drug Design and Discovery, 2018, 15, 687-697.	0.7	2
11	Spectrochemical analysis of powdered biological samples using transversely excited atmospheric carbon dioxide laser plasma excitation. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2017, 128, 22-29.	2.9	17
12	Spectroscopic investigations of novel pharmaceuticals: Stability and resonant interaction with laser beam. Applied Surface Science, 2017, 417, 143-148.	6.1	2
13	Photophysics of covalently functionalized single wall carbon nanotubes with verteporfin. Applied Surface Science, 2017, 417, 170-174.	6.1	8
14	Photosensitized cleavage of some olefins as potential linkers to be used in drug delivery. Applied Surface Science, 2017, 417, 136-142.	6.1	7
15	Studies on laser induced emission of microdroplets containing Rhodamine 6G solutions in water doped with TiO2 nanoparticles. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2017, 519, 238-244.	4.7	7
16	Protein reactivity with singlet oxygen: Influence of the solvent exposure of the reactive amino acid residues. Journal of Photochemistry and Photobiology B: Biology, 2016, 159, 106-110.	3.8	18
17	Insights into the photophysics of zinc phthalocyanine and photogenerated singlet oxygen in DMSO-water mixture. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2016, 505, 197-203.	4.7	10
18	Laser beam resonant interaction of new hydantoin derivatives droplets for possible biomedical applications. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2016, 505, 37-46.	4.7	3

#	Article	IF	Citations
19	Minimal invasive control of paintings cleaning by LIBS. Optics and Laser Technology, 2016, 77, 187-192.	4.6	19
20	Enhanced fluorescence emitted by microdroplets containing organic dye emulsions. Biomicrofluidics, 2015, 9, 014126.	2.4	15
21	Effect of annealing treatment on the structural and optical properties of AZO samples. Applied Surface Science, 2015, 352, 23-27.	6.1	15
22	Surface properties of Vancomycin after interaction with laser beams. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2015, 480, 328-335.	4.7	10
23	Characterization of mixtures of compounds produced in chlorpromazine aqueous solutions by ultraviolet laser irradiation: their applications in antimicrobial assays. Journal of Biomedical Optics, 2014, 20, 1.	2.6	21
24	Photophysical study of Zn phthalocyanine in binary solvent mixtures. Journal of Molecular Structure, 2013, 1044, 188-193.	3.6	17
25	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
26	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
27	Exposure of Chlorpromazine to 266 nm Laser Beam Generates New Species with Antibacterial Properties: Contributions to Development of a New Process for Drug Discovery. PLoS ONE, 2013, 8, e55767.	2.5	25
28	MAPLE deposition of PLGA:PEG films for controlled drug delivery: Influence of PEG molecular weight. Applied Surface Science, 2012, 258, 9302-9308.	6.1	18
29	Laser induced breakdown spectroscopy stratigraphic characterization of multilayered painted surfaces. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2012, 74-75, 151-155.	2.9	10
30	Optical investigation of medicine solutions in micro-droplets form at interaction with laser radiation. Proceedings of SPIE, 2011, , .	0.8	0
31	Direct Modification of Bioactive Phenothiazines by Exposure to Laser Radiation. Recent Patents on Anti-infective Drug Discovery, 2011, 6, 147-157.	0.8	19
32	Laser beams resonant interaction with micro-droplets which have a controlled content. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2010, 365, 83-88.	4.7	9
33	Cavity Ring-Down Laser Absorption Spectroscopy of Jet-Cooled L-Tryptophan. Journal of Physical Chemistry A, 2009, 113, 8187-8194.	2.5	14
34	S1â†S0 transition of 2,3-benzofluorene at low temperatures in the gas phase. Journal of Chemical Physics, 2008, 129, 074302.	3.0	7
35	S1(A11)â†S0(A11) transition of benzo[g,h,i]perylene in supersonic jets and rare gas matrices. Journal of Chemical Physics, 2007, 126, 174311.	3.0	24
36	Electronic spectroscopy of polycyclic aromatic hydrocarbons (PAHs) at low temperature in the gas phase and in helium droplets. Journal of Molecular Structure, 2006, 786, 105-111.	3.6	14

#	Article	IF	Citations
37	D2â†Đ0 transition of the anthracene cation observed by cavity ring-down absorption spectroscopy in a supersonic jet. Chemical Physics Letters, 2004, 386, 259-264.	2.6	58
38	Cavity ring-down laser absorption spectroscopy of jet-cooled anthracene. Molecular Physics, 2004, 102, 1777-1783.	1.7	22
39	Ultraviolet spectroscopy of pyrene in a supersonic jet and in liquid helium droplets. Journal of Chemical Physics, 2004, 120, 6028-6034.	3.0	35
40	<title>Cavity ring-down spectroscopy of carbon-containing molecules</title>. , 2004, , .		0
41	<title>Studies on activated cytostatic fluorouracil as photosensitizer: to use in eye tumor treatment</title>. , 2004, 5610, 87.		0
42	Studies on cytostatics used as photosensitizing material in photodynamic therapy. , 2002, , .		0
43	Pulsed cavity ring-down spectroscopy of NO and NO 2 in the exhaust of a diesel engine. Applied Physics B: Lasers and Optics, 2002, 74, 465-468.	2.2	28
44	Contribution to the spectroscopic study of cytostatics molecules. , 2001, , .		1
45	<title>Spectroscopic studies of drugs used in the treatment of malignant tumors in ophthalmology</title>. , 2001, 4606, 52.		1
46	<title>Optical properties of cytostatic drugs used in cancer treatment</title>. , 2001, , .		2
47	Detection of atmospheric pollutants by pulsed photoacoustic spectroscopy. , 1998, , .		1
48	Differential absorption measurements of the NO 2 , SO 2 atmospheric pollutants. , 1995, 2461, 663.		0