

Viorel Nastasa

List of Publications by Year in descending order

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Version: 2024-02-01

33
papers

438
citations

933447

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34
all docs

34
docs citations

34
times ranked

521
citing authors

#	ARTICLE	IF	CITATIONS
1	Detailed characterization of a laboratory magnetized supercritical collisionless shock and of the associated proton energization. <i>Matter and Radiation at Extremes</i> , 2022, 7, .	3.9	11
2	Target Characteristics Used in Laser-Plasma Acceleration of Protons Based on the TNSA Mechanism. <i>Frontiers in Physics</i> , 2022, 10, .	2.1	0
3	Laboratory evidence for proton energization by collisionless shock surfing. <i>Nature Physics</i> , 2021, 17, 1177-1182.	16.7	10
4	Anti-staphylococcal activity and mode of action of thioridazine photoproducts. <i>Scientific Reports</i> , 2020, 10, 18043.	3.3	21
5	Current status and highlights of the ELI-NP research program. <i>Matter and Radiation at Extremes</i> , 2020, 5, .	3.9	114
6	Spectroscopic Characterization of Emulsions Generated with a New Laser-Assisted Device. <i>Molecules</i> , 2020, 25, 1729.	3.8	23
7	Laser-driven radiation: Biomarkers for molecular imaging of high dose-rate effects. <i>Medical Physics</i> , 2019, 46, e726-e734.	3.0	6
8	Laser assisted generation of micro/nanosize emulsions. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 577, 265-273.	4.7	6
9	In vitro antimicrobial efficacy of laser exposed chlorpromazine against Gram-positive bacteria in planktonic and biofilm growth state. <i>Microbial Pathogenesis</i> , 2019, 129, 250-256.	2.9	10
10	Optical excitation and detection of neuronal activity. <i>Journal of Biophotonics</i> , 2019, 12, e201800269.	2.3	19
11	Hyperpolarised NMR to follow water proton transport through membrane channels via exchange with biomolecules. <i>Faraday Discussions</i> , 2018, 209, 67-82.	3.2	5
12	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
13	Studies on laser induced emission of microdroplets containing Rhodamine 6G solutions in water doped with TiO ₂ nanoparticles. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2017, 519, 238-244.	4.7	7
14	Statistical dispersion relation for spatially broadband fields. <i>Optics Letters</i> , 2016, 41, 2490.	3.3	4
15	Chlorpromazine transformation by exposure to ultraviolet laser beams in droplet and bulk. <i>European Journal of Pharmaceutical Sciences</i> , 2016, 81, 27-35.	4.0	7
16	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
17	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
18	Stability studies on Promethazine unexposed and exposed to UV laser radiation. <i>Proceedings of SPIE</i> , 2015, , .	0.8	3

#	ARTICLE	IF	CITATIONS
19	Enhanced fluorescence emitted by microdroplets containing organic dye emulsions. <i>Biomicrofluidics</i> , 2015, 9, 014126.	2.4	15
20	Properties of polidocanol foam in view of its use in sclerotherapy. <i>International Journal of Pharmaceutics</i> , 2015, 478, 588-596.	5.2	38
21	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
22	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
23	Moderately stable emulsions produced by a double syringe method. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2014, 460, 321-326.	4.7	8
24	Generation and biological evaluation of the products formed from the exposure of Phenothiazine to a 266nm laser beam. <i>Proceedings of SPIE</i> , 2013, , .	0.8	0
25	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
26	The in vitro activity of products formed from exposure of chlorpromazine to a 266 nm laser beam against species of mycobacteria of human interest. <i>In Vivo</i> , 2013, 27, 605-10.	1.3	5
27	Rapid, laser-induced conversion of 20-hydroxyecdysone and its diacetone -- experimental set-up of a system for photochemical transformation of bioactive substances. <i>Anticancer Research</i> , 2012, 32, 1291-7.	1.1	7
28	Optical investigation of medicine solutions in micro-droplets form at interaction with laser radiation. <i>Proceedings of SPIE</i> , 2011, , .	0.8	0
29	Study of Commercial Grade Aetoxisclerol by Optical Means, in View of Its Use in Varicose Vein Treatment. , 2011, , .		0
30	Study of the formation of micro and nano-droplets containing immiscible solutions. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2011, 382, 246-250.	4.7	11
31	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
32	Generation of micro- and nano-droplets containing immiscible solutions in view of optical studies. , 2010, , .		0
33	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