Viorel Nastasa

List of Publications by Year in descending order

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33 papers	438 citations	933447 10 h-index	752698 20 g-index
34 all docs	34 docs citations	34 times ranked	521 citing authors

#	Article	IF	Citations
1	Current status and highlights of the ELI-NP research program. Matter and Radiation at Extremes, 2020, 5, .	3.9	114
2	Properties of polidocanol foam in view of its use in sclerotherapy. International Journal of Pharmaceutics, 2015, 478, 588-596.	5.2	38
3	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
4	Spectroscopic Characterization of Emulsions Generated with a New Laser-Assisted Device. Molecules, 2020, 25, 1729.	3.8	23
5	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
6	Anti-staphylococcal activity and mode of action of thioridazine photoproducts. Scientific Reports, 2020, 10, 18043.	3.3	21
7	Optical excitation and detection of neuronal activity. Journal of Biophotonics, 2019, 12, e201800269.	2.3	19
8	Direct Modification of Bioactive Phenothiazines by Exposure to Laser Radiation. Recent Patents on Anti-infective Drug Discovery, 2011, 6, 147-157.	0.8	19
9	Enhanced fluorescence emitted by microdroplets containing organic dye emulsions. Biomicrofluidics, 2015, 9, 014126.	2.4	15
10	Study of the formation of micro and nano-droplets containing immiscible solutions. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2011, 382, 246-250.	4.7	11
11	Detailed characterization of a laboratory magnetized supercritical collisionless shock and of the associated proton energization. Matter and Radiation at Extremes, 2022, 7, .	3.9	11
12	Surface properties of Vancomycin after interaction with laser beams. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2015, 480, 328-335.	4.7	10
13	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
14	In vitro antimicrobial efficacy of laser exposed chlorpromazine against Gram-positive bacteria in planktonic and biofilm growth state. Microbial Pathogenesis, 2019, 129, 250-256.	2.9	10
15	Laboratory evidence for proton energization by collisionless shock surfing. Nature Physics, 2021, 17, 1177-1182.	16.7	10
16	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
17	Moderately stable emulsions produced by a double syringe method. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2014, 460, 321-326.	4.7	8
18	Chlorpromazine transformation by exposure to ultraviolet laser beams in droplet and bulk. European Journal of Pharmaceutical Sciences, 2016, 81, 27-35.	4.0	7

#	ARTICLE	IF	CITATIONS
19	Photosensitized cleavage of some olefins as potential linkers to be used in drug delivery. Applied Surface Science, 2017, 417, 136-142.	6.1	7
20	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
21	Rapid, laser-induced conversion of 20-hydroxyecdysone and its diacetonide -- experimental set-up of a system for photochemical transformation of bioactive substances. Anticancer Research, 2012, 32, 1291-7.	1.1	7
22	Laserâ€driven radiation: Biomarkers for molecular imaging of high doseâ€rate effects. Medical Physics, 2019, 46, e726-e734.	3.0	6
23	Laser assisted generation of micro/nanosize emulsions. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2019, 577, 265-273.	4.7	6
24	Hyperpolarised NMR to follow water proton transport through membrane channelsviaexchange with biomolecules. Faraday Discussions, 2018, 209, 67-82.	3.2	5
25	The in vitro activity of products formed from exposure of chlorpromazine to a 266 nm laser beam against species of mycobacteria of human interest. In Vivo, 2013, 27, 605-10.	1.3	5
26	Statistical dispersion relation for spatially broadband fields. Optics Letters, 2016, 41, 2490.	3.3	4
27	Stability studies on Promethazine unexposed and exposed to UV laser radiation. Proceedings of SPIE, 2015, , .	0.8	3
28	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
29	Generation of micro- and nano-droplets containing immiscible solutions in view of optical studies. , 2010, , .		0
30	Optical investigation of medicine solutions in micro-droplets form at interaction with laser radiation. Proceedings of SPIE, 2011, , .	0.8	0
31	Study of Commercial Grade Aetoxisclerol by Optical Means, in View of Its Use in Varicose Vein Treatment. , 2011, , .		0
32	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
33	Target Characteristics Used in Laser-Plasma Acceleration of Protons Based on the TNSA Mechanism. Frontiers in Physics, 2022, 10, .	2.1	0