

# Divinomar Severino

## List of Publications by Year in descending order

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Version: 2024-02-01

36  
papers

2,100  
citations

430874

18  
h-index

361022

35  
g-index

37  
all docs

37  
docs citations

37  
times ranked

4851  
citing authors

#	ARTICLE	IF	CITATIONS
1	Methylene blue in photodynamic therapy: From basic mechanisms to clinical applications. <i>Photodiagnosis and Photodynamic Therapy</i> , 2005, 2, 175-191.	2.6	675
2	Modulation of methylene blue photochemical properties based on adsorption at aqueous micelle interfaces. <i>Physical Chemistry Chemical Physics</i> , 2002, 4, 2320-2328.	2.8	222
3	Binding, Aggregation and Photochemical Properties of Methylene Blue in Mitochondrial Suspensions. <i>Photochemistry and Photobiology</i> , 2004, 79, 227.	2.5	163
4	Influence of Negatively Charged Interfaces on the Ground and Excited State Properties of Methylene Blue. <i>Photochemistry and Photobiology</i> , 2003, 77, 459.	2.5	155
5	Binding, aggregation and photochemical properties of methylene blue in mitochondrial suspensions. <i>Photochemistry and Photobiology</i> , 2004, 79, 227-232.	2.5	128
6	Melanin Photosensitization and the Effect of Visible Light on Epithelial Cells. <i>PLoS ONE</i> , 2014, 9, e113266.	2.5	92
7	Photo-Induced Destruction of Giant Vesicles in Methylene Blue Solutions. <i>Langmuir</i> , 2007, 23, 1307-1314.	3.5	78
8	Photophysical properties and interactions of xanthene dyes in aqueous micelles. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2012, 247, 8-15.	3.9	71
9	Generation and suppression of singlet oxygen in hair by photosensitization of melanin. <i>Free Radical Biology and Medicine</i> , 2011, 51, 1195-1202.	2.9	51
10	Mechanism of Aloe Vera extract protection against UVA: shelter of lysosomal membrane avoids photodamage. <i>Photochemical and Photobiological Sciences</i> , 2016, 15, 334-350.	2.9	37
11	Distinct photo-oxidation-induced cell death pathways lead to selective killing of human breast cancer cells. <i>Cell Death and Disease</i> , 2020, 11, 1070.	6.3	34
12	Singlet oxygen quantum yields ( $\phi_{\text{d}}$ ) in water using beetroot extract and an array of LEDs. <i>Journal of the Brazilian Chemical Society</i> , 2009, 20, 31-36.	0.6	31
13	Photochemistry of Petroleum. <i>Progress in Reaction Kinetics and Mechanism</i> , 2001, 26, 219-238.	2.1	30
14	Singlet molecular oxygen trapping by the fluorescent probe diethyl-3,3'-((9,10-anthracenediyl)bisacrylate synthesized by the Heck reaction. <i>Photochemical and Photobiological Sciences</i> , 2011, 10, 1546-1555.	2.9	26
15	Spectrofluorimetric Determination of Second Critical Micellar Concentration of SDS and SDS/Brij 30 Systems. <i>Journal of Fluorescence</i> , 2009, 19, 327-332.	2.5	25
16	Rapid screening of potential autophagic inductor agents using mammalian cell lines. <i>Biotechnology Journal</i> , 2013, 8, 730-737.	3.5	25
17	Photophysics and spectroscopic properties of 3-benzoxazol-2-yl-chromen-2-one. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2003, 59, 345-355.	3.9	21
18	Direct participation of DNA in the formation of singlet oxygen and base damage under UVA irradiation. <i>Free Radical Biology and Medicine</i> , 2017, 108, 86-93.	2.9	21

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19	Influence of Negatively Charged Interfaces on the Ground and Excited State Properties of Methylene Blue. <i>Photochemistry and Photobiology</i> , 2003, 77, 459-468.	2.5	19
20	Intranuclear crystalloids of Antarctic sea urchins as a biomarker for oil contamination. <i>Polar Biology</i> , 2010, 33, 843-849.	1.2	17
21	Lipofuscin in keratinocytes: Production, properties, and consequences of the photosensitization with visible light. <i>Free Radical Biology and Medicine</i> , 2020, 160, 277-292.	2.9	17
22	Photophysical properties of two new psoralen analogs. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2001, 146, 75-81.	3.9	16
23	Photochemical degradation increases polycyclic aromatic hydrocarbon (PAH) toxicity to the grouper <i>Epinephelus marginatus</i> as assessed by multiple biomarkers. <i>Chemosphere</i> , 2016, 144, 540-547.	8.2	16
24	Metallochlorophylls of magnesium, copper and zinc: evaluation of the influence of the first coordination sphere on their solvatochromism and aggregation properties. <i>Journal of the Brazilian Chemical Society</i> , 2009, 20, 1653-1658.	0.6	14
25	Langmuir Films of Petroleum at the Air-Water Interface. <i>Langmuir</i> , 2009, 25, 12585-12590.	3.5	14
26	Effects of methylene blue-mediated photodynamic therapy on a mouse model of squamous cell carcinoma and normal skin. <i>Photodiagnosis and Photodynamic Therapy</i> , 2018, 23, 154-164.	2.6	13
27	Light-Driven Horseradish Peroxidase Cycle by Using Photo-activated Methylene Blue as the Reducing Agent. <i>Photochemistry and Photobiology</i> , 2007, 83, 1254-1262.	2.5	12
28	Antioxidant activity, cito- and phototoxicity of pomegranate ( <i>Punica granatum</i> L.) seed pulp extract. <i>Food Science and Technology</i> , 2010, 30, 1017-1021.	1.7	12
29	Oxidation of an electron-rich olefin induced by singlet oxygen: mechanism for tetraphenylethylene. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1995, 91, 179-185.	3.9	11
30	Influência de diferentes sistemas de solvente Água-etanol sobre as propriedades físico-químicas e espectroscópicas dos compostos macrocíclicos feofitina e clorofila <i>l</i> . <i>Química Nova</i> , 2010, 33, 258-262.	0.3	11
31	Solvent effects on the photophysics of 3-(benzoxazol-2-yl)-7-(N,N-diethylamino)chromen-2-one. <i>Photochemical and Photobiological Sciences</i> , 2004, 3, 79.	2.9	10
32	Heterologous expression of proteorhodopsin enhances H <sub>2</sub> production in <i>Escherichia coli</i> when endogenous Hyd-4 is overexpressed. <i>Journal of Biotechnology</i> , 2015, 206, 52-57.	3.8	10
33	Quenching of Singlet Molecular Oxygen, O <sub>2</sub> ( <sup>1</sup> g), by Dipyrdamole and Derivatives. <i>Photochemistry and Photobiology</i> , 2007, 83, 1379-1385.	2.5	9
34	Phenothiazinium Dyes as Photosensitizers (PS) in Photodynamic Therapy (PDT): Spectroscopic Properties and Photochemical Mechanisms. , 0, , .		7
35	The generation of singlet oxygen by petroleum and its fractions. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2012, 236, 9-13.	3.9	6
36	Performance of Cosmetic Ingredients Evaluated by Their Membrane Protection Efficiency. <i>Journal of Cosmetics Dermatological Sciences and Applications</i> , 2021, 11, 169-185.	0.2	0