Kristjan Plaetzer

List of Publications by Year
in descending order

39	1,904	279798	315739
papers	citations	23 h-index	38 g-index

40	40	40	2512
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Photoantimicrobialsâ€"are we afraid of the light?. Lancet Infectious Diseases, The, 2017, 17, e49-e55.	9.1	498
2	Comparative in vitro study on the characteristics of different photosensitizers employed in PDT. Journal of Photochemistry and Photobiology B: Biology, 2010, 100, 173-180.	3.8	120
3	Apoptosis Following Photodynamic Tumor Therapy: Induction, Mechanisms and Detection. Current Pharmaceutical Design, 2005, 11, 1151-1165.	1.9	112
4	Cellular Mechanisms and Prospective Applications of Hypericin in Photodynamic Therapy. Current Medicinal Chemistry, 2006, 13, 2189-2204.	2.4	106
5	The Modes of Cell Death Induced by PDT: An Overview. Medical Laser Application: International Journal for Laser Treatment and Research, 2003, 18, 7-19.	0.3	88
6	Comparative characterization of the efficiency and cellular pharmacokinetics of FoscanÂ®- and FoslipÂ®-based photodynamic treatment in human biliary tract cancer cell lines. Photochemical and Photobiological Sciences, 2007, 6, 619-627.	2.9	85
7	Characterization of the cell death modes and the associated changes in cellular energy supply in response to AlPcS4-PDT. Photochemical and Photobiological Sciences, 2002, 1, 172-177.	2.9	79
8	Antibacterial photodynamic therapy using water-soluble formulations of hypericin or mTHPC is effective in inactivation of Staphylococcus aureus. Photochemical and Photobiological Sciences, 2010, 9, 365-369.	2.9	73
9	Photodynamic decontamination of foodstuff from Staphylococcus aureus based on novel formulations of curcumin. Photochemical and Photobiological Sciences, 2014, 13, 1402-1409.	2.9	72
10	New horizons in microbiological food safety: Photodynamic Decontamination based on a curcumin derivative. Photochemical and Photobiological Sciences, 2017, 16, 1784-1791.	2.9	63
11	Back to the roots: photodynamic inactivation of bacteria based on water-soluble curcumin bound to polyvinylpyrrolidone as a photosensitizer. Photochemical and Photobiological Sciences, 2013, 12, 1795-1802.	2.9	55
12	A Comprehensive Tutorial onIn VitroCharacterization of New Photosensitizers for Photodynamic Antitumor Therapy and Photodynamic Inactivation of Microorganisms. BioMed Research International, 2013, 2013, 1-17.	1.9	47
13	Characterization of Apoptosis Induced by Photodynamic Treatment with Hypericin in A431 Human Epidermoid Carcinoma Cells. Journal of Environmental Pathology, Toxicology and Oncology, 2006, 25, 173-188.	1.2	45
14	Differential effects of glucose deprivation on the cellular sensitivity towards photodynamic treatment-based production of reactive oxygen species and apoptosis-induction. FEBS Letters, 2005, 579, 185-190.	2.8	44
15	Characterization of a simple and homogeneous irradiation device based on light-emitting diodes: A possible low-cost supplement to conventional light sources for photodynamic treatment. Medical Laser Application: International Journal for Laser Treatment and Research, 2006, 21, 277-283.	0.3	40
16	A comparative study on the antibacterial photodynamic efficiency of a curcumin derivative and a formulation on a porcine skin model. Photochemical and Photobiological Sciences, 2016, 15, 187-195.	2.9	34
17	Uptake and phototoxicity of meso-tetrahydroxyphenyl chlorine are highly variable in human biliary tract cancer cell lines and correlate with markers of differentiation and proliferation. Photochemical and Photobiological Sciences, 2010, 9, 734-743.	2.9	31
18	Save the crop: Photodynamic Inactivation of plant pathogens I: bacteria. Photochemical and Photobiological Sciences, 2019, 18, 1700-1708.	2.9	30

#	Article	IF	Citations
19	Red versus blue light illumination in hexyl 5-aminolevulinate photodynamic therapy: the influence of light color and irradiance on the treatment outcomein vitro. Journal of Biomedical Optics, 2014, 19, 088002.	2.6	28
20	Methylsulfonyl Zn phthalocyanine: A polyvalent and powerful hydrophobic photosensitizer with a wide spectrum of photodynamic applications. Photodiagnosis and Photodynamic Therapy, 2016, 13, 40-47.	2.6	27
21	Glucose is Required to Maintain High ATP-levels for the Energy-utilizing Steps During PDT-induced ApoptosisÂ¶. Photochemistry and Photobiology, 2002, 76, 695.	2.5	27
22	Photodynamic Treatment with Fractionated Light Decreases Production of Reactive Oxygen Species and Cytotoxicity In Vitro via Regeneration of GlutathioneÂ¶. Photochemistry and Photobiology, 2005, 81, 609.	2.5	27
23	Comprehensive analysis of alterations in the miRNome in response to photodynamic treatment. Journal of Photochemistry and Photobiology B: Biology, 2013, 120, 74-81.	3.8	25
24	CureCumaâ€“cationic curcuminoids with improved properties and enhanced antimicrobial photodynamic activity. European Journal of Medicinal Chemistry, 2018, 159, 423-440.	5.5	24
25	MicroRNAs Associated with the Efficacy of Photodynamic Therapy in Biliary Tract Cancer Cell Lines. International Journal of Molecular Sciences, 2014, 15, 20134-20157.	4.1	18
26	The microbial experience of environmental phosphate fluctuations. An essay on the possibility of putting intentions into cell biochemistry. Journal of Theoretical Biology, 2005, 235, 540-554.	1.7	14
27	In the Right Light: Photodynamic Inactivation of Microorganisms Using a LED-Based Illumination Device Tailored for the Antimicrobial Application. Antibiotics, 2020, 9, 13.	3.7	13
28	Advances in photodynamic therapy for the treatment of hilar biliary tract cancer. Future Oncology, 2010, 6, 1925-1936.	2.4	12
29	Apoptosis in cancer cells induced by photodynamic treatment â€“ a methodological approach. Journal of Porphyrins and Phthalocyanines, 2013, 17, 197-209.	0.8	12
30	Real-time analysis of endogenous protoporphyrin IX fluorescence from Î´-aminolevulinic acid and its derivatives reveals distinct time- and dose-dependent characteristicsin vitro. Journal of Biomedical Optics, 2014, 19, 085007.	2.6	10
31	Photodynamic Inactivation of plant pathogens part II: fungi. Photochemical and Photobiological Sciences, 2022, 21, 195-207.	2.9	9
32	Photodynamic treatment with hexyl-aminolevulinate mediates reversible thiol oxidation in core oxidative stress signaling proteins. Molecular BioSystems, 2016, 12, 796-805.	2.9	8
33	Lipophilic rather than hydrophilic photosensitizers show strong adherence to standard cell culture microplates under cell-free conditions. Journal of Photochemistry and Photobiology B: Biology, 2011, 103, 222-229.	3.8	6
34	Photofungizides Based on Curcumin and Derivates Thereof against Candida albicans and Aspergillus niger. Antibiotics, 2021, 10, 1315.	3.7	6
35	Breaking the Rebellion: Photodynamic Inactivation against Erwinia amylovora Resistant to Streptomycin. Antibiotics, 2022, 11, 544.	3.7	6
36	Photosensitizer Adhered to Cell Culture Microplates Induces Phototoxicity in Carcinoma Cells. BioMed Research International, 2013, 2013, 1-11.	1.9	5

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37	Photodynamic Treatment with Fractionated Light Decreases Production of Reactive Oxygen Species and Cytotoxicity In Vitro via Regeneration of Glutathione^{Â¶}. Photochemistry and Photobiology, 2005, 81, 609-613.	2.5	3
38	Glucose is Required to Maintain High ATP-levels for the Energy-utilizing Steps During PDT-induced ApoptosisÂ¶. Photochemistry and Photobiology, 2007, 76, 695-703.	2.5	2
39	Determination of the Efficiency of Photodynamic Decontamination of Food. Methods in Molecular Biology, 2022, 2451, 691-699.	0.9	0