Barbara Krammer

List of Publications by Year
in descending order

54	2,590	236925 25	189892 50
papers	citations	h-index	g-index

59	59	59	3646
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Photophysics and photochemistry of photodynamic therapy: fundamental aspects. Lasers in Medical Science, 2009, 24, 259-268.	2.1	685
2	ALA and its clinical impact, from bench to bedside. Photochemical and Photobiological Sciences, 2008, 7, 283-289.	2.9	213
3	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
4	Apoptosis Following Photodynamic Tumor Therapy: Induction, Mechanisms and Detection. Current Pharmaceutical Design, 2005, 11, 1151-1165.	1.9	112
5	Cellular Mechanisms and Prospective Applications of Hypericin in Photodynamic Therapy. Current Medicinal Chemistry, 2006, 13, 2189-2204.	2.4	106
6	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
7	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
8	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
9	Boosting Tumor-Specific Immunity Using PDT. Cancers, 2016, 8, 91.	3.7	74
10	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
11	Rapid and sensitive microplate assay for screening the effect of silver and gold nanoparticles on bacteria. Nanomedicine, 2009, 4, 637-643.	3.3	60
12	Low dose hypericin-PDT induces complete tumor regression in BALB/c mice bearing CT26 colon carcinoma. Photodiagnosis and Photodynamic Therapy, 2011, 8, 291-296.	2.6	57
13	Molecular Response to Hypericin-Induced Photodamage. Current Medicinal Chemistry, 2012, 19, 793-798.	2.4	57
14	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
15	Role of Calcium in Photodynamically Induced Cell Damage of Human Fibroblasts. Photochemistry and Photobiology, 1996, 64, 211-215.	2.5	51
16	bcl-2 and c-erbB-2 proteins are involved in the regulation of VEGF and of thymidine phosphorylase angiogenic activity in non-small-cell lung cancer. Clinical and Experimental Metastasis, 1999, 17, 545-554.	3.3	48
17	Antibacterial effect of some benzopyrone derivatives. European Journal of Medicinal Chemistry, 2010, 45, 372-378.	5.5	45
18	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

#	Article	IF	Citations
19	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
20	Does Î´-aminolaevulinic acid induce genotoxic effects?. Journal of Photochemistry and Photobiology B: Biology, 1996, 33, 39-44.	3.8	41
21	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
22	Fluorescence-based CdTe nanosensor for sensitive detection of cytochrome C. Biosensors and Bioelectronics, 2017, 98, 415-420.	10.1	38
23	TGFÎ²-signaling in Squamous Cell Carcinoma Occurring in Recessive Dystrophic Epidermolysis Bullosa. Analytical Cellular Pathology, 2011, 34, 339-353.	1.4	31
24	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
25	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
26	Applicability of new degradable hypericin-polymer-conjugates as photosensitizers: principal mode of action demonstrated by in vitro models. Photochemical and Photobiological Sciences, 2014, 13, 1607-1620.	2.9	24
27	Fast and reliable determination of intracellular ATP from cells cultured in 96-well microplates. Journal of Proteomics, 2003, 57, 247-251.	2.4	21
28	Time-resolved gene expression profiling of human squamous cell carcinoma cells during the apoptosis process induced by photodynamic treatment with hypericin. International Journal of Oncology, 2009, 35, 921-39.	3.3	20
29	Secretion of the angiogenic factor VEGF after photodynamic therapy with ALA under hypoxia-like conditions in colon cancer cells. Photodiagnosis and Photodynamic Therapy, 2018, 21, 16-18.	2.6	19
30	A new biocompatible nanocomposite as a promising constituent of sunscreens. Materials Science and Engineering C, 2016, 63, 46-51.	7.3	18
31	TGFÎ²-signaling in squamous cell carcinoma occurring in recessive dystrophic epidermolysis bullosa. Analytical Cellular Pathology, 2011, 34, 339-53.	1.4	18
32	Epidermolysis bullosa â€“ a group of skin diseases with different causes but commonalities in gene expression. Experimental Dermatology, 2012, 21, 526-530.	2.9	16
33	Plasma Membrane Properties Involved in the Photodynamic Efficacy of Merocyanine 540 and Tetrasulfonated Aluminum Phthalocyanine. Photochemistry and Photobiology, 2000, 71, 341-346.	2.5	12
34	Influence of ALA-mediated photodynamic therapy on secretion of interleukins 6, 8 and 10 by colon cancer cells in vitro. Photodiagnosis and Photodynamic Therapy, 2018, 22, 137-139.	2.6	12
35	Expression kinetics of the (proto)oncogenes c-myc and bcl-2 following photodynamic treatment of normal and transformed human fibroblasts with 5-aminolaevulinic acid-stimulated endogenous protoporphyrin IX. Journal of Photochemistry and Photobiology B: Biology, 1998, 45, 131-135.	3.8	11
36	Antiproliferative Properties of Padma Lax and Its Components Ginger and Elecampane. Research in Complementary Medicine, 2006, 13, 18-22.	2.2	11

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37	Cytotoxicity of Magnetic Nanoparticles on Normal and Malignant Human Skin Cells. Nano LIFE, 2014, 04, 1440002.	0.9	10
38	The interrelation between a pro-inflammatory milieu and fluorescence diagnosis or photodynamic therapy of human skin cell lines. Photodiagnosis and Photodynamic Therapy, 2014, 11, 91-103.	2.6	10
39	Fluorescence detection and depletion of T47D breast cancer cells from human mononuclear cell-enriched blood preparations by photodynamic treatment: Basic in vitro experiments towards the removal of circulating tumor cells. Lasers in Surgery and Medicine, 2011, 43, 548-556.	2.1	9
40	Effect of Photodynamic Pretreatment on the Susceptibility of Murine Tumor Cells To Macrophage Antitumor Mechanisms. Photochemistry and Photobiology, 1997, 66, 384-388.	2.5	8
41	Photodynamic treatment with hexyl-aminolevulinate mediates reversible thiol oxidation in core oxidative stress signaling proteins. Molecular BioSystems, 2016, 12, 796-805.	2.9	8
42	Gene expression pattern following photodynamic treatment of the carcinoma cell line A-431 analysed by cDNA arrays. International Journal of Oncology, 0, , .	3.3	8
43	Cyto- and genotoxic potential of the photosensitizer Photosan 3 in the absence of light. Journal of Photochemistry and Photobiology B: Biology, 1994, 22, 241-246.	3.8	7
44	In VitroAnalysis of Photosensitizer Accumulation for Assessment of Applicability of Fluorescence Diagnosis of Squamous Cell Carcinoma of Epidermolysis Bullosa Patients. BioMed Research International, 2013, 2013, 1-14.	1.9	7
45	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
46	Targeting of a Helixâ€Loopâ€Helix Transcriptional Regulator by a Short Helical Peptide. ChemMedChem, 2017, 12, 1497-1503.	3.2	6
47	Reduction of cancer cell viability by synergistic combination of photodynamic treatment with the inhibition of the Id protein family. Journal of Photochemistry and Photobiology B: Biology, 2018, 178, 521-529.	3.8	6
48	Activation of macrophage tumoricidal activity by photodynamic treatment in vitro-indirect activation of macrophages by photodynamically killed tumor cells. Journal of Photochemistry and Photobiology B: Biology, 1999, 50, 99-107.	3.8	5
49	Photosensitizer Adhered to Cell Culture Microplates Induces Phototoxicity in Carcinoma Cells. BioMed Research International, 2013, 2013, 1-11.	1.9	5
50	Gene expression profiling of the human carcinoma cell line A-431 after 5-aminolevulinic acid-based photodynamic treatment. International Journal of Oncology, 0, , .	3.3	3
51	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
52	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
53	Molecular Biological Mechanisms in Photodynamic Therapy. , 2014, , 59-66.		0
54	MOLECULAR MECHANISMS AND APOPTOSIS IN PDT. , 2010, , .		0