

# Kristian Berg

## List of Publications by Citations

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183  
papers

11,440  
citations

48  
h-index

104  
g-index

196  
ext. papers

12,452  
ext. citations

6.7  
avg, IF

5.86  
L-index

#	Paper	IF	Citations
183	Photodynamic therapy of cancer: an update. <i>Ca-A Cancer Journal for Clinicians</i> , <b>2011</b> , 61, 250-81	220.7	3005
182	5-Aminolevulinic acid-based photodynamic therapy. Clinical research and future challenges. <i>Cancer</i> , <b>1997</b> , 79, 2282-308	6.4	889
181	The photodegradation of porphyrins in cells can be used to estimate the lifetime of singlet oxygen. <i>Photochemistry and Photobiology</i> , <b>1991</b> , 53, 549-53	3.6	788
180	5-Aminolevulinic acid-based photodynamic therapy: principles and experimental research. <i>Photochemistry and Photobiology</i> , <b>1997</b> , 65, 235-51	3.6	469
179	Photochemotherapy of cancer: experimental research. <i>Photochemistry and Photobiology</i> , <b>1992</b> , 55, 931-486	4.86	353
178	Photochemical internalization provides time- and space-controlled endolysosomal escape of therapeutic molecules. <i>Journal of Controlled Release</i> , <b>2010</b> , 148, 2-12	11.7	217
177	Photochemical internalisation in drug and gene delivery. <i>Advanced Drug Delivery Reviews</i> , <b>2004</b> , 56, 95-118.5	11.5	195
176	Assessing autophagy in the context of photodynamic therapy. <i>Autophagy</i> , <b>2010</b> , 6, 7-18	10.2	174
175	Lysosomes and microtubules as targets for photochemotherapy of cancer. <i>Photochemistry and Photobiology</i> , <b>1997</b> , 65, 403-9	3.6	151
174	Evaluation of a new photosensitizer, meso-tetra-hydroxyphenyl-chlorin, for use in photodynamic therapy: a comparison of its photobiological properties with those of two other photosensitizers. <i>International Journal of Cancer</i> , <b>1994</b> , 57, 883-8	7.5	146
173	5-aminolevulinic acid, but not 5-aminolevulinic acid esters, is transported into adenocarcinoma cells by system BETA transporters. <i>Photochemistry and Photobiology</i> , <b>2000</b> , 71, 640-7	3.6	134
172	Lysosomes as photochemical targets. <i>International Journal of Cancer</i> , <b>1994</b> , 59, 814-22	7.5	134
171	In vivo documentation of photochemical internalization, a novel approach to site specific cancer therapy. <i>International Journal of Cancer</i> , <b>2001</b> , 92, 761-6	7.5	117
170	Site-specific drug delivery by photochemical internalization enhances the antitumor effect of bleomycin. <i>Clinical Cancer Research</i> , <b>2005</b> , 11, 8476-85	12.9	115
169	Light induced relocalization of sulfonated meso-tetraphenylporphyrins in NHIK 3025 cells and effects of dose fractionation. <i>Photochemistry and Photobiology</i> , <b>1991</b> , 53, 203-10	3.6	111
168	Photochemical internalization: a new tool for drug delivery. <i>Current Pharmaceutical Biotechnology</i> , <b>2007</b> , 8, 362-72	2.6	106
167	Photochemical transfection: a new technology for light-induced, site-directed gene delivery. <i>Human Gene Therapy</i> , <b>2000</b> , 11, 869-80	4.8	101

166	Photobleaching of protoporphyrin IX in cells incubated with 5-aminolevulinic acid. <i>International Journal of Cancer</i> , <b>1997</b> , 70, 90-7	7.5	96
165	Sulfonated aluminium phthalocyanines as sensitizers for photochemotherapy. Effects of small light doses on localization, dye fluorescence and photosensitivity in V79 cells. <i>International Journal of Cancer</i> , <b>1994</b> , 58, 865-70	7.5	94
164	Disulfonated tetraphenyl chlorin (TPCS2a), a novel photosensitizer developed for clinical utilization of photochemical internalization. <i>Photochemical and Photobiological Sciences</i> , <b>2011</b> , 10, 1637-51	4.2	90
163	Intracellular localization of sulfonated meso-tetraphenylporphines in a human carcinoma cell line. <i>Photochemistry and Photobiology</i> , <b>1990</b> , 52, 481-7	3.6	90
162	Photochemical internalization (PCI) in cancer therapy: from bench towards bedside medicine. <i>Journal of Photochemistry and Photobiology B: Biology</i> , <b>2009</b> , 96, 83-92	6.7	89
161	Reversal of doxorubicin resistance in breast cancer cells by photochemical internalization. <i>International Journal of Cancer</i> , <b>2006</b> , 119, 2692-8	7.5	89
160	Evaluation of sulfonated aluminum phthalocyanines for use in photochemotherapy. A study on the relative efficiencies of photoinactivation. <i>Photochemistry and Photobiology</i> , <b>1989</b> , 49, 587-94	3.6	87
159	Targeted delivery and enhanced cytotoxicity of cetuximab-saporin by photochemical internalization in EGFR-positive cancer cells. <i>Molecular Pharmaceutics</i> , <b>2007</b> , 4, 241-51	5.6	85
158	Light-induced adenovirus gene transfer, an efficient and specific gene delivery technology for cancer gene therapy. <i>Cancer Gene Therapy</i> , <b>2002</b> , 9, 365-71	5.4	73
157	Photochemical internalisation increases the cytotoxic effect of the immunotoxin MOC31-gelonin. <i>International Journal of Cancer</i> , <b>2000</b> , 87, 853-9	7.5	70
156	Role of endosomes in gene transfection mediated by photochemical internalisation (PCI). <i>Journal of Gene Medicine</i> , <b>2000</b> , 2, 477-88	3.5	69
155	Evaluation of different photosensitizers for use in photochemical gene transfection. <i>Photochemistry and Photobiology</i> , <b>2001</b> , 73, 388-95	3.6	69
154	Cellular uptake and relative efficiency in cell inactivation by photoactivated sulfonated meso-tetraphenylporphines. <i>Photochemistry and Photobiology</i> , <b>1990</b> , 52, 775-81	3.6	68
153	Cellular uptake of DNA-chitosan nanoparticles: the role of clathrin- and caveolae-mediated pathways. <i>International Journal of Biological Macromolecules</i> , <b>2012</b> , 51, 1043-51	7.9	67
152	Photochemically stimulated drug delivery increases the cytotoxicity and specificity of EGF-saporin. <i>Journal of Controlled Release</i> , <b>2006</b> , 111, 165-73	11.7	67
151	Liposome-bound Zn (II)-phthalocyanine. Mechanisms for cellular uptake and photosensitization. <i>Journal of Photochemistry and Photobiology B: Biology</i> , <b>1998</b> , 45, 150-9	6.7	64
150	Eradication of p53-mutated head and neck squamous cell carcinoma xenografts using nonviral p53 gene therapy and photochemical internalization. <i>Molecular Therapy</i> , <b>2006</b> , 13, 1156-62	11.7	63
149	Photochemical internalisation: a novel drug delivery system. <i>Tumor Biology</i> , <b>2002</b> , 23, 103-12	2.9	63

148	Photochemical internalization (PCI): a technology for drug delivery. <i>Methods in Molecular Biology</i> , <b>2010</b> , 635, 133-45	1.4	62
147	Photosensitizing properties of chlorins in solution and in membrane-mimicking systems. <i>Photochemical and Photobiological Sciences</i> , <b>2009</b> , 8, 778-87	4.2	60
146	Disulfonated tetraphenyl chlorin (TPCS2a)-induced photochemical internalisation of bleomycin in patients with solid malignancies: a phase 1, dose-escalation, first-in-man trial. <i>Lancet Oncology</i> , <b>2016</b> , 17, 1217-29	21.7	59
145	Apoptosis induction by different pathways with methylene blue derivative and light from mitochondrial sites in V79 cells. <i>International Journal of Cancer</i> , <b>1998</b> , 75, 941-8	7.5	58
144	Photochemically enhanced gene delivery of EGF receptor-targeted DNA polyplexes. <i>Journal of Drug Targeting</i> , <b>2004</b> , 12, 205-13	5.4	54
143	Light-controlled endosomal escape of the novel CD133-targeting immunotoxin AC133-saporin by photochemical internalization - A minimally invasive cancer stem cell-targeting strategy. <i>Journal of Controlled Release</i> , <b>2015</b> , 206, 37-48	11.7	53
142	Photochemical internalization of tamoxifens transported by a "Trojan-horse" nanoconjugate into breast-cancer cell lines. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 4885-9	16.4	52
141	Photochemical internalization of bleomycin is superior to photodynamic therapy due to the therapeutic effect in the tumor periphery. <i>Photochemistry and Photobiology</i> , <b>2009</b> , 85, 740-9	3.6	52
140	Photochemical internalization of a peptide nucleic acid targeting the catalytic subunit of human telomerase. <i>Cancer Research</i> , <b>2003</b> , 63, 3490-4	10.1	52
139	The diverse roles of glutathione-associated cell resistance against hypericin photodynamic therapy. <i>Redox Biology</i> , <b>2017</b> , 12, 191-197	11.3	51
138	Photochemical internalization of therapeutic macromolecular agents: a novel strategy to kill multidrug-resistant cancer cells. <i>Journal of Pharmacology and Experimental Therapeutics</i> , <b>2006</b> , 319, 604-47	4.7	50
137	Action spectra of phthalocyanines with respect to photosensitization of cells. <i>Photochemistry and Photobiology</i> , <b>1992</b> , 56, 171-5	3.6	50
136	Protoporphyrin IX accumulation in cells treated with 5-aminolevulinic acid: dependence on cell density, cell size and cell cycle. <i>International Journal of Cancer</i> , <b>1998</b> , 75, 134-9	7.5	49
135	Enhanced gene transfer and cell death following p53 gene transfer using photochemical internalisation of glucosylated PEI-DNA complexes. <i>Journal of Gene Medicine</i> , <b>2004</b> , 6, 884-94	3.5	48
134	Multi-modality therapeutics with potent anti-tumor effects: photochemical internalization enhances delivery of the fusion toxin scFvMEL/rGel. <i>PLoS ONE</i> , <b>2009</b> , 4, e6691	3.7	48
133	Photochemical internalization of tumor-targeted protein toxins. <i>Lasers in Surgery and Medicine</i> , <b>2011</b> , 43, 721-33	3.6	47
132	5-Aminolaevulinic acid methyl ester transport on amino acid carriers in a human colon adenocarcinoma cell line. <i>Photochemistry and Photobiology</i> , <b>2001</b> , 73, 164-9	3.6	46
131	Strongly amphiphilic photosensitizers are not substrates of the cancer stem cell marker ABCG2 and provides specific and efficient light-triggered drug delivery of an EGFR-targeted cytotoxic drug. <i>Journal of Controlled Release</i> , <b>2012</b> , 159, 197-203	11.7	45

130	The Temperature Dependence of Protoporphyrin IX Production in Cells and Tissues. <i>Photochemistry and Photobiology</i> , <b>1999</b> , 70, 669-673	3.6	41
129	Photochemical internalization (PCI) of immunotoxins targeting CD133 is specific and highly potent at femtomolar levels in cells with cancer stem cell properties. <i>Journal of Controlled Release</i> , <b>2013</b> , 168, 317-26	11.7	40
128	Combined Treatment of Ionizing Radiation and Photosensitization by 5-Aminolevulinic Acid-Induced Protoporphyrin IX. <i>Radiation Research</i> , <b>1995</b> , 142, 340	3.1	39
127	Light-triggered, efficient cytosolic release of IM7-saporin targeting the putative cancer stem cell marker CD44 by photochemical internalization. <i>Molecular Pharmaceutics</i> , <b>2014</b> , 11, 2764-76	5.6	38
126	DNA polyplexes based on degradable oligoethylenimine-derivatives: combination with EGF receptor targeting and endosomal release functions. <i>Journal of Controlled Release</i> , <b>2006</b> , 116, 115-22	11.7	38
125	The influence of Pluronic $\square$ on dark cytotoxicity, photocytotoxicity, localization and uptake of curcumin in cancer cells: studies of curcumin and curcuminoids XLIX. <i>Photochemical and Photobiological Sciences</i> , <b>2013</b> , 12, 559-75	4.2	37
124	Tetraphenylporphyrin tethered chitosan based carriers for photochemical transfection. <i>Journal of Medicinal Chemistry</i> , <b>2013</b> , 56, 807-19	8.3	36
123	Simultaneous defeat of MCF7 and MDA-MB-231 resistances by a hypericin PDT-tamoxifen hybrid therapy. <i>Npj Breast Cancer</i> , <b>2019</b> , 5, 13	7.8	35
122	Enhanced cytotoxicity of saporin by polyamidoamine dendrimer conjugation and photochemical internalization. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2008</b> , 87, 147-55	5.4	35
121	Mitotic inhibition by phenylporphines and tetrasulfonated aluminium phthalocyanine in combination with light. <i>Photochemistry and Photobiology</i> , <b>1992</b> , 56, 333-9	3.6	35
120	The influence of Pluronic nanovehicles on dark cytotoxicity, photocytotoxicity and localization of four model photosensitizers in cancer cells. <i>Photochemical and Photobiological Sciences</i> , <b>2014</b> , 13, 8-22	4.2	34
119	Photodynamic effects of Photofrin II on cell division in human NHIK 3025 cells. <i>International Journal of Radiation Biology</i> , <b>1988</b> , 53, 797-811	2.9	33
118	Photochemical Internalization for Intracellular Drug Delivery. From Basic Mechanisms to Clinical Research. <i>Journal of Clinical Medicine</i> , <b>2020</b> , 9,	5.1	32
117	Development of resistance to photodynamic therapy (PDT) in human breast cancer cells is photosensitizer-dependent: Possible mechanisms and approaches for overcoming PDT-resistance. <i>Biochemical Pharmacology</i> , <b>2017</b> , 144, 63-77	6	32
116	Photochemical internalization of CD133-targeting immunotoxins efficiently depletes sarcoma cells with stem-like properties and reduces tumorigenicity. <i>Biochimica Et Biophysica Acta - General Subjects</i> , <b>2013</b> , 1830, 4235-43	4	32
115	Photochemically enhanced transduction of polymer-complexed adenovirus targeted to the epidermal growth factor receptor. <i>Journal of Gene Medicine</i> , <b>2006</b> , 8, 286-97	3.5	32
114	Photochemical internalisation, a minimally invasive strategy for light-controlled endosomal escape of cancer stem cell-targeting therapeutics. <i>Photochemical and Photobiological Sciences</i> , <b>2015</b> , 14, 1433-50	4.2	31
113	Photochemical internalization as an adjunct to marginal surgery in a human sarcoma model. <i>Photochemical and Photobiological Sciences</i> , <b>2009</b> , 8, 758-62	4.2	31

112	Photochemically enhanced gene transfection increases the cytotoxicity of the herpes simplex virus thymidine kinase gene combined with ganciclovir. <i>Cancer Gene Therapy</i> , <b>2004</b> , 11, 514-23	5.4	31
111	Photochemical internalization (PCI) of HER2-targeted toxins: synergy is dependent on the treatment sequence. <i>Biochimica Et Biophysica Acta - General Subjects</i> , <b>2012</b> , 1820, 1849-58	4	29
110	Photodynamic therapy targets the mTOR signaling network in vitro and in vivo. <i>Molecular Pharmaceutics</i> , <b>2009</b> , 6, 255-64	5.6	29
109	5-Aminolevulinic acid-based photochemical internalization of the immunotoxin MOC31-gelonin generates synergistic cytotoxic effects in vitro. <i>Photochemistry and Photobiology</i> , <b>2001</b> , 74, 303-10	3.6	29
108	Head & neck optical diagnostics: vision of the future of surgery. <i>Head &amp; Neck Oncology</i> , <b>2009</b> , 1, 25		28
107	Sustained ERK [corrected] inhibition by EGFR targeting therapies is a predictive factor for synergistic cytotoxicity with PDT as neoadjuvant therapy. <i>Biochimica Et Biophysica Acta - General Subjects</i> , <b>2013</b> , 1830, 2659-70	4	27
106	Photodynamic therapy with an endocytically located photosensitizer cause a rapid activation of the mitogen-activated protein kinases extracellular signal-regulated kinase, p38, and c-Jun NH2 terminal kinase with opposing effects on cell survival. <i>Molecular Cancer Therapeutics</i> , <b>2008</b> , 7, 1740-50	6.1	27
105	Photochemical activation of drugs for the treatment of therapy-resistant cancers. <i>Photochemical and Photobiological Sciences</i> , <b>2015</b> , 14, 1465-75	4.2	26
104	Photochemical internalization: a new tool for gene and oligonucleotide delivery. <i>Topics in Current Chemistry</i> , <b>2010</b> , 296, 251-81		26
103	Photochemical internalization (PCI): A novel technology for activation of endocytosed therapeutic agents. <i>Medical Laser Application: International Journal for Laser Treatment and Research</i> , <b>2006</b> , 21, 239-250		24
102	Photophysical and photobiological properties of a sulfonated chlorin photosensitizer TPCS(2a) for photochemical internalisation (PCI). <i>Photochemical and Photobiological Sciences</i> , <b>2013</b> , 12, 519-26	4.2	23
101	Y1068 phosphorylation is the most sensitive target of disulfonated tetraphenylporphyrin-based photodynamic therapy on epidermal growth factor receptor. <i>Biochemical Pharmacology</i> , <b>2007</b> , 74, 226-35		23
100	Photochemical transfection: a technology for efficient light-directed gene delivery. <i>Somatic Cell and Molecular Genetics</i> , <b>2002</b> , 27, 97-113		23
99	PCI-enhanced adenoviral transduction employs the known uptake mechanism of adenoviral particles. <i>Cancer Gene Therapy</i> , <b>2005</b> , 12, 439-48	5.4	23
98	A comparative study of normal and reverse phase high pressure liquid chromatography for analysis of porphyrins accumulated after 5-aminolaevulinic acid treatment of colon adenocarcinoma cells. <i>Cancer Letters</i> , <b>2000</b> , 150, 205-13	9.9	23
97	5-Aminolevulinic acid-based photodynamic therapy <b>1997</b> , 79, 2282		23
96	Photochemically enhanced gene delivery with cationic lipid formulations. <i>Photochemical and Photobiological Sciences</i> , <b>2003</b> , 2, 407-11	4.2	22
95	Photodynamically induced effects in colon carcinoma cells (WiDr) by endogenous photosensitizers generated by incubation with 5-aminolaevulinic acid. <i>Journal of Photochemistry and Photobiology B: Biology</i> , <b>1999</b> , 49, 162-70	6.7	22

94	Photochemical treatment with the lysosomally localized dye tetra(4-sulfonatophenyl)porphine results in lysosomal release of the dye but not of beta-N-acetyl-D-glucosaminidase activity. <i>Biochimica Et Biophysica Acta - General Subjects</i> , <b>1993</b> , 1158, 300-6	4	22
93	Photochemical internalization augments tumor vascular cytotoxicity and specificity of VEGF(121)/rGel fusion toxin. <i>Journal of Controlled Release</i> , <b>2014</b> , 180, 1-9	11.7	21
92	Circumvention of resistance to photodynamic therapy in doxorubicin-resistant sarcoma by photochemical internalization of gelonin. <i>Free Radical Biology and Medicine</i> , <b>2013</b> , 65, 1300-1309	7.8	21
91	Intracellular re-localisation by photochemical internalisation enhances the cytotoxic effect of gelonin--quantitative studies in normal rat liver. <i>Journal of Controlled Release</i> , <b>2010</b> , 142, 347-53	11.7	21
90	Effects of the inhibitors of energy metabolism, lonidamine and levamisole, on 5-aminolevulinic-acid-induced photochemotherapy. <i>International Journal of Cancer</i> , <b>1996</b> , 67, 791-9	7.5	21
89	ALA-induced porphyrin formation and fluorescence in synovitis tissue In-vitro and in vivo studies. <i>Photodiagnosis and Photodynamic Therapy</i> , <b>2005</b> , 2, 299-307	3.5	20
88	Synergistic effects of photoactivated tetra(4-sulfonatophenyl)porphine and nocodazole on microtubule assembly, accumulation of cells in mitosis and cell survival. <i>Journal of Photochemistry and Photobiology B: Biology</i> , <b>1992</b> , 13, 59-70	6.7	19
87	Photochemical activation of the recombinant HER2-targeted fusion toxin MH3-B1/rGel; Impact of HER2 expression on treatment outcome. <i>Journal of Controlled Release</i> , <b>2014</b> , 182, 58-66	11.7	18
86	5-aminolevulinic acid induced lipid peroxidation after light exposure on human colon carcinoma cells and effects of alpha-tocopherol treatment. <i>Cancer Letters</i> , <b>2000</b> , 159, 23-32	9.9	18
85	Endosome Targeting meso-Tetraphenylchlorin-Chitosan Nanoconjugates for Photochemical Internalization. <i>Biomacromolecules</i> , <b>2017</b> , 18, 1108-1126	6.9	17
84	The unpolymerized form of tubulin is the target for microtubule inhibition by photoactivated tetra(4-sulfonatophenyl)porphine. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , <b>1992</b> , 1135, 147-53	4.9	17
83	Photodynamic therapy mediated immune therapy of brain tumors. <i>Neuroimmunology and Neuroinflammation</i> , <b>2018</b> , 5,	3.4	17
82	Photochemical enhancement of gene delivery to glioblastoma cells is dependent on the vector applied. <i>Anticancer Research</i> , <b>2005</b> , 25, 291-7	2.3	17
81	Cytotoxic and Photocytotoxic Effects of Cercosporin on Human Tumor Cell Lines. <i>Photochemistry and Photobiology</i> , <b>2019</b> , 95, 387-396	3.6	16
80	Photochemical internalization-mediated nonviral gene transfection: polyamine core-shell nanoparticles as gene carrier. <i>Journal of Biomedical Optics</i> , <b>2014</b> , 19, 105009	3.5	16
79	Effects of ultraviolet radiation on intercellular communication in V79 Chinese hamster fibroblasts. <i>Carcinogenesis</i> , <b>1994</b> , 15, 233-9	4.6	16
78	Characterization of singlet oxygen-induced guanine residue damage after photochemical treatment of free nucleosides and DNA. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , <b>1994</b> , 1217, 1-8		16
77	Photochemical activation of MH3-B1/rGel: a HER2-targeted treatment approach for ovarian cancer. <i>Oncotarget</i> , <b>2015</b> , 6, 12436-51	3.3	16

76	Photochemical internalization (PCI)--a novel technology for release of macromolecules from endocytic vesicles. <i>Ophthalmologia</i> , <b>2003</b> , 56, 67-71		16
75	Increased sensitivity of glioma cells to 5-fluorocytosine following photo-chemical internalization enhanced nonviral transfection of the cytosine deaminase suicide gene. <i>Journal of Neuro-Oncology</i> , <b>2014</b> , 118, 29-37	4.8	15
74	Photochemical treatment with endosomally localized photosensitizers enhances the number of adenoviruses in the nucleus. <i>Journal of Gene Medicine</i> , <b>2006</b> , 8, 707-18	3.5	15
73	The role of the cell cycle on the efficiency of photochemical gene transfection. <i>Biochimica Et Biophysica Acta - General Subjects</i> , <b>2002</b> , 1570, 210-8	4	15
72	Photochemical delivery of bleomycin induces T-cell activation of importance for curative effect and systemic anti-tumor immunity. <i>Journal of Controlled Release</i> , <b>2017</b> , 268, 120-127	11.7	14
71	Light-enhanced VEGF/rGel: A tumor targeted modality with vascular and immune-mediated efficacy. <i>Journal of Controlled Release</i> , <b>2018</b> , 288, 161-172	11.7	14
70	Photochemical internalization of bleomycin before external-beam radiotherapy improves locoregional control in a human sarcoma model. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>2009</b> , 75, 878-85	4	13
69	Photodynamic targeting of EGFR does not predict the treatment outcome in combination with the EGFR tyrosine kinase inhibitor Tyrphostin AG1478. <i>Photochemical and Photobiological Sciences</i> , <b>2008</b> , 7, 1032-40	4.2	13
68	Intracellular metabolism of a 2'-O-methyl-stabilized ribozyme after uptake by DOTAP transfection or as free ribozyme. A study by capillary electrophoresis. <i>Nucleic Acids Research</i> , <b>1998</b> , 26, 4241-8	20.1	13
67	Photochemical enhancement of DNA delivery by EGF receptor targeted polyplexes. <i>Methods in Molecular Biology</i> , <b>2008</b> , 434, 171-81	1.4	13
66	Cell specific effects of polyunsaturated fatty acids on 5-aminolevulinic acid based photosensitization. <i>Photochemical and Photobiological Sciences</i> , <b>2005</b> , 4, 383-9	4.2	12
65	Transcriptome changes in a colon adenocarcinoma cell line in response to photochemical treatment as used in photochemical internalisation (PCI). <i>FEBS Letters</i> , <b>2006</b> , 580, 5739-46	3.8	12
64	Metaphase-specific phosphorylations weaken the association between chromosomal proteins HMG 14 and 17, and DNA. <i>FEBS Letters</i> , <b>1991</b> , 289, 113-6	3.8	12
63	Photochemical internalization enhanced macrophage delivered chemotherapy. <i>Photodiagnosis and Photodynamic Therapy</i> , <b>2018</b> , 21, 156-162	3.5	11
62	Vascular endothelial cells as targets for photochemical internalization (PCI). <i>Photochemistry and Photobiology</i> , <b>2013</b> , 89, 1185-92	3.6	11
61	Studies of the photosensitizer disulfonated meso-tetraphenyl chlorin in an orthotopic rat bladder tumor model. <i>Photodiagnosis and Photodynamic Therapy</i> , <b>2015</b> , 12, 58-66	3.5	10
60	Targeted Photodynamic Therapy of Human Head and Neck Squamous Cell Carcinoma with Anti-epidermal Growth Factor Receptor Antibody Cetuximab and Photosensitizer IR700DX in the Mouse Skin-fold Window Chamber Model. <i>Photochemistry and Photobiology</i> , <b>2020</b> , 96, 708-717	3.6	10
59	Photochemically mediated delivery of AdhCMV-TRAIL augments the TRAIL-induced apoptosis in colorectal cancer cell lines. <i>Cancer Biology and Therapy</i> , <b>2006</b> , 5, 1511-20	4.6	10



58	Early Induction of Binucleated Cells by Ultraviolet A (UVA) Radiation: A Possible Role of Microfilaments <i>Photochemistry and Photobiology</i> , <b>1999</b> , 70, 199-205	3.6	10
57	Synergistic chemotherapy by combined moderate hyperthermia and photochemical internalization. <i>Biomedical Optics Express</i> , <b>2016</b> , 7, 1240-50	3.5	9
56	Deciphering the Nongenomic, Mitochondrial Toxicity of Tamoxifens As Determined by Cell Metabolism and Redox Activity. <i>ACS Chemical Biology</i> , <b>2016</b> , 11, 251-62	4.9	9
55	The photosensitizer disulfonated aluminum phthalocyanine reduces uptake and alters trafficking of fluid phase endocytosed drugs in vascular endothelial cells--impact on efficacy of photochemical internalization. <i>Biochemical Pharmacology</i> , <b>2013</b> , 86, 748-58	6	9
54	A novel method for the study of autophagy: destruction of hepatocytic lysosomes, but not autophagosomes, by the photosensitizing porphyrin tetra(4-sulphonatophenyl)porphine. <i>Biochemical Journal</i> , <b>1997</b> , 321 ( Pt 1), 217-25	3.8	9
53	Retention and phototoxicity of tetra(4-sulphonatophenyl)porphine in cultivated human cells. The effect of fractionation of light. <i>Photochemistry and Photobiology</i> , <b>1992</b> , 56, 177-83	3.6	9
52	Photochemical internalization in bladder cancer - development of an orthotopic in vivo model. <i>Photochemical and Photobiological Sciences</i> , <b>2017</b> , 16, 1664-1676	4.2	8
51	In-Vivo Optical Monitoring of the Efficacy of Epidermal Growth Factor Receptor Targeted Photodynamic Therapy: The Effect of Fluence Rate. <i>Cancers</i> , <b>2020</b> , 12,	6.6	8
50	Impact of genotypic and phenotypic differences in sarcoma models on the outcome of photochemical internalization (PCI) of bleomycin. <i>Photodiagnosis and Photodynamic Therapy</i> , <b>2017</b> , 20, 35-47	3.5	8
49	Photochemical internalization of bleomycin and temozolomide--in vitro studies on the glioma cell line F98. <i>Photochemical and Photobiological Sciences</i> , <b>2015</b> , 14, 1357-66	4.2	7
48	Light-directed gene delivery by photochemical internalisation. <i>Expert Opinion on Biological Therapy</i> , <b>2004</b> , 4, 1403-12	5.4	7
47	Chapter 8 Basic principles of 5-aminolevulinic acid-based photodynamic therapy. <i>Comprehensive Series in Photosciences</i> , <b>2001</b> , 115-162		7
46	The influence of the cysteine protease inhibitor L-trans-epoxysuccinyl-leucyl amido(4-guanidino)butane (E64) on photobiological effects of tetra(4-sulphonatophenyl)porphine. <i>Cancer Letters</i> , <b>1995</b> , 88, 227-36	9.9	7
45	Design, Characterization, and Evaluation of scFvCD133/rGelonin: A CD133-Targeting Recombinant Immunotoxin for Use in Combination with Photochemical Internalization. <i>Journal of Clinical Medicine</i> , <b>2019</b> , 9,	5.1	7
44	Photodynamic therapy enhances the efficacy of gene-directed enzyme prodrug therapy. <i>Photodiagnosis and Photodynamic Therapy</i> , <b>2017</b> , 18, 140-148	3.5	6
43	Photochemically enhanced adenoviral transduction in a multicellular environment. <i>Photochemical and Photobiological Sciences</i> , <b>2006</b> , 5, 411-21	4.2	6
42	Photochemical internalization (PCI): a new modality for light activation of endocytosed therapeutics. <i>Journal of Environmental Pathology, Toxicology and Oncology</i> , <b>2006</b> , 25, 521-36	2.1	6
41	Drug-Loaded Lipid-Coated Hybrid Organic-Inorganic "Stealth" Nanoparticles for Cancer Therapy. <i>Frontiers in Bioengineering and Biotechnology</i> , <b>2020</b> , 8, 1027	5.8	6

40	Predictive biomarkers for 5-ALA-PDT can lead to personalized treatments and overcome tumor-specific resistances. <i>Cancer Reports</i> , <b>2020</b> , e1278	1.5	6
39	Enhancing the effects of chemotherapy by combined macrophage-mediated photothermal therapy (PTT) and photochemical internalization (PCI). <i>Lasers in Medical Science</i> , <b>2018</b> , 33, 1747-1755	3.1	6
38	The effects of low irradiance long duration photochemical internalization on glioma spheroids. <i>Photodiagnosis and Photodynamic Therapy</i> , <b>2019</b> , 26, 442-447	3.5	5
37	Photochemically-Induced Release of Lysosomal Sequestered Sunitinib: Obstacles for Therapeutic Efficacy. <i>Cancers</i> , <b>2020</b> , 12,	6.6	5
36	Photochemical internalization of transgenes controlled by the heat-shock protein 70 promoter. <i>Photochemistry and Photobiology</i> , <b>2006</b> , 82, 809-16	3.6	5
35	Recurrent chondroblastic osteosarcoma of the right mandible subjected to photochemical internalization. <i>Photodiagnosis and Photodynamic Therapy</i> , <b>2019</b> , 27, 288-290	3.5	4
34	Biodistribution, pharmacokinetic, and in-vivo fluorescence spectroscopic studies of photosensitizers <b>1996</b> ,		4
33	Sister Chromatid Exchanges Induced by Photodynamic Treatment of Cells in The Presence of Photofrin II, Aluminium Phthalocyanine Tetrasulfonate and Tetra(3-Hydroxyphenyl)Porphyrin <b>1988</b> , 95-103		4
32	Biologic Effects of Light: An Enlighting Prospective. <i>Anticancer Research</i> , <b>2016</b> , 36, 1339-43	2.3	4
31	Photodynamic Efficacy of Cercosporin in 3D Tumor Cell Cultures. <i>Photochemistry and Photobiology</i> , <b>2020</b> , 96, 699-707	3.6	3
30	Photochemical Internalization of Tamoxifens Transported by a Trojan-Horse Nanoconjugate into Breast-Cancer Cell Lines. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 4967-4971	3.6	3
29	Induction of multinucleated cells caused by UVA exposure in different stages of the cell cycle. <i>Photochemistry and Photobiology</i> , <b>2000</b> , 71, 620-6	3.6	3
28	Comparing the Effects of Light- or Sonic-Activated Drug Delivery: Photochemical/Sonochemical Internalization. <i>Journal of Environmental Pathology, Toxicology and Oncology</i> , <b>2016</b> , 35, 91-8	2.1	3
27	Sustained gene transfer and enhanced cell death following glucosylated-PEI-mediated p53 gene transfer with photochemical internalisation in p53-mutated head and neck carcinoma cells. <i>International Journal of Oncology</i> , <b>2004</b> , 25, 1575-81	1	3
26	Photochemical internalization (PCI) of bleomycin is equally effective in two dissimilar leiomyosarcoma xenografts in athymic mice. <i>Photodiagnosis and Photodynamic Therapy</i> , <b>2017</b> , 20, 95-106 <sup>3.5</sup>		2
25	In-vitro studies of zinc(II)-phthalocyanine (Zn-PC) for use in photochemotherapy <b>1997</b> , 3191, 291		2
24	Evaluation of Different Photosensitizers for Use in Photochemical Gene Transfection. <i>Photochemistry and Photobiology</i> , <b>2007</b> , 73, 388-395	3.6	2
23	The Potential of Photochemical Internalization (PCI) for the Cytosolic Delivery of Nanomedicines <b>2010</b> , 311-322		1

22	5-Aminolaevulinic Acid Methyl Ester Transport on Amino Acid Carriers in a Human Colon Adenocarcinoma Cell Line. <i>Photochemistry and Photobiology</i> , <b>2007</b> , 73, 164-169	3.6	1
21	5-Aminolevulinic Acid-Based Photochemical Internalization of the Immunotoxin MOC31-gelonin Generates Synergistic Cytotoxic Effects In Vitro. <i>Photochemistry and Photobiology</i> , <b>2007</b> , 74, 303-310	3.6	1
20	Photochemical internalization for the treatment of malignant gliomas <b>2007</b> ,		1
19	Sustained gene transfer and enhanced cell death following glucosylated-PEI-mediated p53 gene transfer with photochemical internalisation in p53-mutated head and neck carcinoma cells <b>2004</b> , 25, 1575		1
18	Photochemical transfection. Light-induced, site-directed gene delivery. <i>Methods in Molecular Medicine</i> , <b>2002</b> , 69, 123-35		1
17	Effect of sulfonation on the photosensitizing efficiency of aluminum phthalocyanine and meso-tetraphenylporphine in photodynamic therapy of cancer <b>1994</b> ,		1
16	Cellular responses to photodynamic therapy <b>1994</b> ,		1
15	RAB5A expression is a predictive biomarker for trastuzumab emtansine in breast cancer. <i>Nature Communications</i> , <b>2021</b> , 12, 6427	17.4	1
14	Photochemical Internalization Enhanced Nonviral Suicide Gene Therapy. <i>Methods in Molecular Biology</i> , <b>2019</b> , 1895, 165-176	1.4	1
13	Apparent Complete Response of a Treatment Refractory and Recurrent Squamous Cell Carcinoma Lesion to Photochemical Internalization: A Clinical Case Study. <i>Photochemistry and Photobiology</i> , <b>2020</b> , 96, 680-683	3.6	1
12	Photosensitizer delivery by fibrin glue: potential for bypassing the blood-brain barrier. <i>Lasers in Medical Science</i> , <b>2021</b> , 36, 1031-1038	3.1	1
11	An improved in vitro photochemical internalization protocol for 3D spheroid cultures. <i>Lasers in Medical Science</i> , <b>2021</b> , 36, 1567-1571	3.1	1
10	Reactive Species from Two-Signal Activated Macrophages Interfere with Their Oxygen Consumption Measurements. <i>Antioxidants</i> , <b>2021</b> , 10,	7.1	1
9	5-Aminolevulinic acid-based photodynamic therapy		1
8	Inhibition of glioma development by doxorubicin-photochemical internalization generated macrophage vaccine: a survival study in rats.. <i>Photodiagnosis and Photodynamic Therapy</i> , <b>2022</b> , 102879	3.5	0
7	Photochemical Internalization: A Novel Technology for Targeted Macromolecule Therapy <b>2014</b> , 119-127		
6	Induction of Multinucleated Cells Caused by UVA Exposure in Different Stages of the Cell Cycle. <i>Photochemistry and Photobiology</i> , <b>2007</b> , 71, 620-626	3.6	
5	Enhancement of the efficiency of photodynamic therapy by combination with the microtubule inhibitor vincristine <b>1996</b> , 2625, 170		

4 Photodynamic Drug Delivery **2012**, 1529-1540

3 Photochemical Internalization (PCI) A Technology for Intracellular Drug Delivery **2016**, 245-300

2 Enhanced gene transfection of macrophages by photochemical internalization: Potential for gene-directed enzyme prodrug therapy of gliomas. *Photodiagnosis and Photodynamic Therapy*, **2021**, 33, 102098 3.5

1 Squamous cell carcinoma of the ear treated by photochemical internalization. *Photodiagnosis and Photodynamic Therapy*, **2021**, 36, 102528 3.5