

# Tayyaba Hasan

## List of Publications by Year in descending order

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272  
papers

18,168  
citations

12322

69  
h-index

14736

127  
g-index

274  
all docs

274  
docs citations

274  
times ranked

15739  
citing authors

#	ARTICLE	IF	CITATIONS
1	Imaging and Photodynamic Therapy: Mechanisms, Monitoring, and Optimization. <i>Chemical Reviews</i> , 2010, 110, 2795-2838.	23.0	2,005
2	Photodynamic therapy: a new antimicrobial approach to infectious disease?. <i>Photochemical and Photobiological Sciences</i> , 2004, 3, 436.	1.6	1,672
3	Mechanisms of Action of Photodynamic Therapy with Verteporfin for the Treatment of Age-Related Macular Degeneration. <i>Survey of Ophthalmology</i> , 2000, 45, 195-214.	1.7	464
4	Development and applications of photo-triggered theranostic agents. <i>Advanced Drug Delivery Reviews</i> , 2010, 62, 1094-1124.	6.6	458
5	Beyond the Barriers of Light Penetration: Strategies, Perspectives and Possibilities for Photodynamic Therapy. <i>Theranostics</i> , 2016, 6, 2458-2487.	4.6	307
6	A three-dimensional in vitro ovarian cancer coculture model using a high-throughput cell patterning platform. <i>Biotechnology Journal</i> , 2011, 6, 204-212.	1.8	281
7	Vascular Targeting in Photodynamic Occlusion of Subretinal Vessels. <i>Ophthalmology</i> , 1994, 101, 1953-1961.	2.5	248
8	Targeted Antimicrobial Photochemotherapy. <i>Antimicrobial Agents and Chemotherapy</i> , 1998, 42, 2595-2601.	1.4	244
9	Polycationic photosensitizer conjugates: effects of chain length and Gram classification on the photodynamic inactivation of bacteria. <i>Journal of Antimicrobial Chemotherapy</i> , 2002, 49, 941-951.	1.3	244
10	The role of photodynamic therapy in overcoming cancer drug resistance. <i>Photochemical and Photobiological Sciences</i> , 2015, 14, 1476-1491.	1.6	242
11	Breaking the selectivity-uptake trade-off of photoimmunoconjugates with nanoliposomal irinotecan for synergistic multi-tier cancer targeting. <i>Journal of Nanobiotechnology</i> , 2020, 18, 1.	4.2	226
12	Intracellular Drug Delivery by Poly(lactic-co-glycolic acid) Nanoparticles, Revisited. <i>Molecular Pharmaceutics</i> , 2009, 6, 190-201.	2.3	210
13	Liposomal Benzoporphyrin Derivative Verteporfin Photodynamic Therapy. <i>Ophthalmology</i> , 1996, 103, 427-438.	2.5	209
14	Vascular and Cellular Targeting for Photodynamic Therapy. <i>Critical Reviews in Eukaryotic Gene Expression</i> , 2006, 16, 279-306.	0.4	205
15	Rapid Control of Wound Infections by Targeted Photodynamic Therapy Monitored by In Vivo Bioluminescence Imaging. <i>Photochemistry and Photobiology</i> , 2002, 75, 51.	1.3	203
16	In Vivo Flow Cytometry. <i>Cancer Research</i> , 2004, 64, 5044-5047.	0.4	203
17	PHOTOPHYSICAL AND PHOTSENSITIZING PROPERTIES OF BENZOPORPHYRIN DERIVATIVE MONOACID RING A (BPD-MA)*. <i>Photochemistry and Photobiology</i> , 1994, 59, 328-335.	1.3	202
18	A photoactivable multi-inhibitor nanoliposome for tumour control and simultaneous inhibition of treatment escape pathways. <i>Nature Nanotechnology</i> , 2016, 11, 378-387.	15.6	201

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19	Strategies for Enhanced Photodynamic Therapy Effects. <i>Photochemistry and Photobiology</i> , 2007, 83, 996-1005.	1.3	193
20	Flow induces epithelial-mesenchymal transition, cellular heterogeneity and biomarker modulation in 3D ovarian cancer nodules. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, E1974-83.	3.3	184
21	Effects of Growth Phase and Extracellular Slime on Photodynamic Inactivation of Gram-Positive Pathogenic Bacteria. <i>Antimicrobial Agents and Chemotherapy</i> , 2004, 48, 2173-2178.	1.4	173
22	Photodynamic therapy for <i>Staphylococcus aureus</i> infected burn wounds in mice. <i>Photochemical and Photobiological Sciences</i> , 2005, 4, 503.	1.6	168
23	The effects of aggregation, protein binding and cellular incorporation on the photophysical properties of benzoporphyrin derivative monoacid ring A (BPDMA). <i>Journal of Photochemistry and Photobiology B: Biology</i> , 1995, 30, 161-169.	1.7	165
24	Optical Monitoring and Treatment of Potentially Lethal Wound Infections In Vivo. <i>Journal of Infectious Diseases</i> , 2003, 187, 1717-1726.	1.9	161
25	Tumor Vascular Permeabilization by Vascular-Targeting Photosensitization: Effects, Mechanism, and Therapeutic Implications. <i>Clinical Cancer Research</i> , 2006, 12, 917-923.	3.2	159
26	Synergistic Enhancement of Carboplatin Efficacy with Photodynamic Therapy in a Three-Dimensional Model for Micrometastatic Ovarian Cancer. <i>Cancer Research</i> , 2010, 70, 9319-9328.	0.4	159
27	Microscopic lymph node tumor burden quantified by macroscopic dual-tracer molecular imaging. <i>Nature Medicine</i> , 2014, 20, 1348-1353.	15.2	159
28	Prediction of Tumor Recurrence and Therapy Monitoring Using Ultrasound-Guided Photoacoustic Imaging. <i>Theranostics</i> , 2015, 5, 289-301.	4.6	154
29	Photonanomedicine: a convergence of photodynamic therapy and nanotechnology. <i>Nanoscale</i> , 2016, 8, 12471-12503.	2.8	144
30	The potential for photodynamic therapy in the treatment of localized infections. <i>Photodiagnosis and Photodynamic Therapy</i> , 2005, 2, 247-262.	1.3	142
31	Targeted photodynamic therapy of established soft-tissue infections in mice. <i>Photochemical and Photobiological Sciences</i> , 2004, 3, 451.	1.6	141
32	Synergism of Epidermal Growth Factor Receptor-Targeted Immunotherapy With Photodynamic Treatment of Ovarian Cancer In Vivo. <i>Journal of the National Cancer Institute</i> , 2005, 97, 1516-1524.	3.0	140
33	Targeted photodynamic therapy. <i>Lasers in Surgery and Medicine</i> , 2006, 38, 522-531.	1.1	139
34	Biomodulatory approaches to photodynamic therapy for solid tumors. <i>Cancer Letters</i> , 2012, 326, 8-16.	3.2	139
35	Liposomal delivery of photosensitising agents. <i>Expert Opinion on Drug Delivery</i> , 2005, 2, 477-487.	2.4	135
36	Photoincorporation of tetracycline into <i>Escherichia coli</i> ribosomes. Identification of the major proteins photolabeled by native tetracycline and tetracycline photoproducts and implications for the inhibitory action of tetracycline on protein synthesis. <i>Biochemistry</i> , 1983, 22, 359-368.	1.2	127

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37	Photodynamic Therapy of Experimental Choroidal Melanoma Using Lipoprotein-delivered Benzoporphyrin. <i>Ophthalmology</i> , 1994, 101, 89-99.	2.5	124
38	In Vivo Quantification of Tumor Receptor Binding Potential with Dual-Reporter Molecular Imaging. <i>Molecular Imaging and Biology</i> , 2012, 14, 584-592.	1.3	123
39	An imaging-based platform for high-content, quantitative evaluation of therapeutic response in 3D tumour models. <i>Scientific Reports</i> , 2014, 4, 3751.	1.6	117
40	Combining vascular and cellular targeting regimens enhances the efficacy of photodynamic therapy. <i>International Journal of Radiation Oncology Biology Physics</i> , 2005, 61, 1216-1226.	0.4	112
41	Low-Dose Methotrexate Enhances Aminolevulinic Acid-Based Photodynamic Therapy in Skin Carcinoma Cells <i>in vitro</i> and <i>in vivo</i> . <i>Clinical Cancer Research</i> , 2009, 15, 3333-3343.	3.2	110
42	Photodynamic Therapy Synergizes with Irinotecan to Overcome Compensatory Mechanisms and Improve Treatment Outcomes in Pancreatic Cancer. <i>Cancer Research</i> , 2016, 76, 1066-1077.	0.4	104
43	Selective treatment and monitoring of disseminated cancer micrometastases <i>in vivo</i> using dual-function, activatable immunoconjugates. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E933-42.	3.3	103
44	The Effect of Charge on Cellular Uptake and Phototoxicity of Polylysine Chlorin <i>e6</i> Conjugates. <i>Photochemistry and Photobiology</i> , 1997, 65, 723-729.	1.3	102
45	Parasiticidal effect of 5-aminolevulinic acid-based photodynamic therapy for cutaneous leishmaniasis is indirect and mediated through the killing of the host cells. <i>Experimental Dermatology</i> , 2007, 16, 651-660.	1.4	100
46	Selection of cell binding and internalizing epidermal growth factor receptor antibodies from a phage display library. <i>Journal of Immunological Methods</i> , 2001, 248, 17-30.	0.6	97
47	Exploiting a Bacterial Drug Resistance Mechanism: A Light-Activated Construct for the Destruction of MRSA. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 2148-2151.	7.2	96
48	Verteporfin-based photodynamic therapy overcomes gemcitabine insensitivity in a panel of pancreatic cancer cell lines. <i>Lasers in Surgery and Medicine</i> , 2011, 43, 565-574.	1.1	96
49	The Course of Immune Stimulation by Photodynamic Therapy: Bridging Fundamentals of Photochemically Induced Immunogenic Cell Death to the Enrichment of T Cell Repertoire. <i>Photochemistry and Photobiology</i> , 2019, 95, 1288-1305.	1.3	96
50	In vivo uptake of liposomal benzoporphyrin derivative and photothrombosis in experimental corneal neovascularization. <i>Lasers in Surgery and Medicine</i> , 1995, 17, 178-188.	1.1	95
51	Revisiting photodynamic therapy dosimetry: reductionist & surrogate approaches to facilitate clinical success. <i>Physics in Medicine and Biology</i> , 2016, 61, R57-R89.	1.6	95
52	Clinical manifestations and classification of Old World cutaneous leishmaniasis. <i>International Journal of Dermatology</i> , 2007, 46, 132-142.	0.5	93
53	Effects of photodynamic therapy with topical application of 5-aminolevulinic acid on normal skin of hairless guinea pigs. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 1992, 15, 239-251.	1.7	89
54	Dynamic dual-tracer MRI-guided fluorescence tomography to quantify receptor density <i>in vivo</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 9025-9030.	3.3	89

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55	Mechanistic Investigation and Implications of Photodynamic Therapy Induction of Vascular Endothelial Growth Factor in Prostate Cancer. <i>Cancer Research</i> , 2006, 66, 5633-5640.	0.4	87
56	Targeting Cells That Overexpress the Epidermal Growth Factor Receptor with Polyethylene Glycolated BPD Verteporfin Photosensitizer Immunoconjugates. <i>Photochemistry and Photobiology</i> , 2003, 77, 431.	1.3	86
57	Shining Light on the Dark Side of Imaging: Excited State Absorption Enhancement of a Bis-styryl BODIPY Photoacoustic Contrast Agent. <i>Journal of the American Chemical Society</i> , 2014, 136, 15853-15856.	6.6	86
58	Photobleaching-based Dosimetry Predicts Deposited Dose in ALA-PpIX PDT of Rodent Esophagus. <i>Photochemistry and Photobiology</i> , 2007, 83, 738-748.	1.3	84
59	Benzophenothiazine and Benzoporphyrin Derivative Combination Phototherapy Effectively Eradicates Large Murine Sarcomas. <i>Photochemistry and Photobiology</i> , 1996, 63, 229-237.	1.3	83
60	Photochemical Targeting of Epidermal Growth Factor Receptor: A Mechanistic Study. <i>Clinical Cancer Research</i> , 2005, 11, 1658-1668.	3.2	83
61	Vitamin D3 Enhances the Apoptotic Response of Epithelial Tumors to Aminolevulinic Acid-Based Photodynamic Therapy. <i>Cancer Research</i> , 2011, 71, 6040-6050.	0.4	83
62	Mechanism of Tetracycline Phototoxicity. <i>Journal of Investigative Dermatology</i> , 1984, 83, 179-183.	0.3	82
63	Blood Flow Dynamics after Photodynamic Therapy with Verteporfin in the RIF-1 Tumor. <i>Radiation Research</i> , 2003, 160, 452-459.	0.7	79
64	Killing Hypoxic Cell Populations in a 3D Tumor Model with EtNBS-PDT. <i>PLoS ONE</i> , 2011, 6, e23434.	1.1	79
65	Photodynamic therapy inhibition of experimental intimal hyperplasia: Acute and chronic effects. <i>Journal of Vascular Surgery</i> , 1994, 19, 321-331.	0.6	75
66	Pretreatment photosensitizer dosimetry reduces variation in tumor response. <i>International Journal of Radiation Oncology Biology Physics</i> , 2006, 64, 1211-1220.	0.4	75
67	Photoinactivation of Mycobacteria In Vitro and in a New Murine Model of Localized Mycobacterium bovis BCG-Induced Granulomatous Infection. <i>Antimicrobial Agents and Chemotherapy</i> , 2006, 50, 1828-1834.	1.4	73
68	Ki-67 as a Molecular Target for Therapy in an <i>In vitro</i> Three-Dimensional Model for Ovarian Cancer. <i>Cancer Research</i> , 2010, 70, 9234-9242.	0.4	72
69	A Mechanism-Based Combination Therapy Reduces Local Tumor Growth and Metastasis in an Orthotopic Model of Prostate Cancer. <i>Cancer Research</i> , 2006, 66, 10953-10958.	0.4	71
70	Photodynamic therapy with verteporfin in the radiation-induced fibrosarcoma-1 tumor causes enhanced radiation sensitivity. <i>Cancer Research</i> , 2003, 63, 1025-33.	0.4	71
71	Quantitative imaging reveals heterogeneous growth dynamics and treatment-dependent residual tumor distributions in a three-dimensional ovarian cancer model. <i>Journal of Biomedical Optics</i> , 2010, 15, 1.	1.4	70
72	Photodynamic Priming Mitigates Chemotherapeutic Selection Pressures and Improves Drug Delivery. <i>Cancer Research</i> , 2018, 78, 558-571.	0.4	70

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73	Low-cost photodynamic therapy devices for global health settings: Characterization of battery-powered LED performance and smartphone imaging in 3D tumor models. <i>Scientific Reports</i> , 2015, 5, 10093.	1.6	69
74	Localization of lipoprotein-delivered benzoporphyrin derivative in the rabbit eye. <i>Current Eye Research</i> , 1997, 16, 83-90.	0.7	68
75	The Role of Photosensitizer Molecular Charge and Structure on the Efficacy of Photodynamic Therapy against <i>Leishmania</i> Parasites. <i>Chemistry and Biology</i> , 2006, 13, 839-847.	6.2	68
76	Epidermal growth factor receptor-targeted photosensitizer selectively inhibits EGFR signaling and induces targeted phototoxicity in ovarian cancer cells. <i>Cancer Letters</i> , 2012, 321, 120-127.	3.2	67
77	Photodynamic and antibiotic therapy in combination against bacterial infections: efficacy, determinants, mechanisms, and future perspectives. <i>Advanced Drug Delivery Reviews</i> , 2021, 177, 113941.	6.6	67
78	Impacting Pancreatic Cancer Therapy in Heterotypic <i>in Vitro</i> Organoids and <i>in Vivo</i> Tumors with Specificity-Tuned, NIR-Activable Photoimmunonanoconjugates: Towards Conquering Desmoplasia?. <i>Nano Letters</i> , 2019, 19, 7573-7587.	4.5	65
79	Investigative Urology: Biodistribution and Phototoxicity of 5-Aminolevulinic Acid-Induced PpIX in an Orthotopic Rat Bladder Tumor Model. <i>Journal of Urology</i> , 1995, 153, 802-806.	0.2	63
80	PDT Dose Parameters Impact Tumoricidal Durability and Cell Death Pathways in a 3D Ovarian Cancer Model. <i>Photochemistry and Photobiology</i> , 2013, 89, 942-952.	1.3	63
81	<i>In vivo</i> Optical Molecular Imaging of Vascular Endothelial Growth Factor for Monitoring Cancer Treatment. <i>Clinical Cancer Research</i> , 2008, 14, 4146-4153.	3.2	62
82	Photodynamic therapy for cutaneous leishmaniasis: the effectiveness of topical phenothiaziniums in parasite eradication and Th1 immune response stimulation. <i>Photochemical and Photobiological Sciences</i> , 2007, 6, 1067-1075.	1.6	61
83	A new nanoconstruct for epidermal growth factor receptor-targeted photo-immunotherapy of ovarian cancer. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2013, 9, 1114-1122.	1.7	61
84	Improved tumor contrast achieved by single time point dual-reporter fluorescence imaging. <i>Journal of Biomedical Optics</i> , 2012, 17, 066001.	1.4	60
85	Quantitative <i>In Vivo</i> Immunohistochemistry of Epidermal Growth Factor Receptor Using a Receptor Concentration Imaging Approach. <i>Cancer Research</i> , 2014, 74, 7465-7474.	0.4	60
86	A Combination of Visudyne and a Lipid-Anchored Liposomal Formulation of Benzoporphyrin Derivative Enhances Photodynamic Therapy Efficacy in a 3D Model for Ovarian Cancer. <i>Photochemistry and Photobiology</i> , 2019, 95, 419-429.	1.3	60
87	A Theoretical Study of Light Fractionation and Dose-Rate Effects in Photodynamic Therapy. <i>Radiation Research</i> , 1997, 147, 551.	0.7	56
88	Intraperitoneal Photoimmunotherapy of Ovarian Carcinoma Xenografts in Nude Mice Using Charged Photoimmunonanoconjugates. <i>Gynecologic Oncology</i> , 2000, 76, 397-404.	0.6	56
89	Modulation of redox metabolism negates cancer-associated fibroblasts-induced treatment resistance in a heterotypic 3D culture platform of pancreatic cancer. <i>Biomaterials</i> , 2019, 222, 119421.	5.7	55
90	Image-Based Quantification of Benzoporphyrin Derivative Uptake, Localization, and Photobleaching in 3D Tumor Models, for Optimization of PDT Parameters. <i>Theranostics</i> , 2012, 2, 827-839.	4.6	54

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91	Photodynamic Synovectomy Using Benzoporphyrin Derivative in an Antigen-induced Arthritis Model for Rheumatoid Arthritis. <i>Photochemistry and Photobiology</i> , 1998, 67, 133-139.	1.3	53
92	Collagen Complexity Spatially Defines Microregions of Total Tissue Pressure in Pancreatic Cancer. <i>Scientific Reports</i> , 2017, 7, 10093.	1.6	51
93	Photodynamic Treatment of Rheumatoid and Inflammatory Arthritis. <i>Photochemistry and Photobiology</i> , 1996, 64, 740-750.	1.3	50
94	A Mechanistic Study of $\hat{\Gamma}$ -Aminolevulinic Acid-Based Photodynamic Therapy for Cutaneous Leishmaniasis. <i>Journal of Investigative Dermatology</i> , 2007, 127, 1546-1549.	0.3	50
95	Photodynamic therapy: Promoting in vitro efficacy of photodynamic therapy by liposomal formulations of a photosensitizing agent. <i>Lasers in Surgery and Medicine</i> , 2018, 50, 499-505.	1.1	49
96	Light-Controlled Delivery of Monoclonal Antibodies for Targeted Photoinactivation of Ki-67. <i>Molecular Pharmaceutics</i> , 2015, 12, 3272-3281.	2.3	48
97	Photodynamic therapy, priming and optical imaging: Potential co-conspirators in treatment design and optimization – a Thomas Dougherty Award for Excellence in PDT paper. <i>Journal of Porphyrins and Phthalocyanines</i> , 2020, 24, 1320-1360.	0.4	48
98	Imaging targeted-agent binding in vivo with two probes. <i>Journal of Biomedical Optics</i> , 2010, 15, 030513.	1.4	47
99	Imaging Tumor Variation in Response to Photodynamic Therapy in Pancreatic Cancer Xenograft Models. <i>International Journal of Radiation Oncology Biology Physics</i> , 2010, 76, 251-259.	0.4	46
100	Photosensitizer fluorescence and singlet oxygen luminescence as dosimetric predictors of topical 5-aminolevulinic acid photodynamic therapy induced clinical erythema. <i>Journal of Biomedical Optics</i> , 2014, 19, 028001.	1.4	46
101	Dual-channel red/blue fluorescence dosimetry with broadband reflectance spectroscopic correction measures protoporphyrin IX production during photodynamic therapy of actinic keratosis. <i>Journal of Biomedical Optics</i> , 2014, 19, 075002.	1.4	45
102	Simultaneous delivery of cytotoxic and biologic therapeutics using nanophotoactivatable liposomes enhances treatment efficacy in a mouse model of pancreatic cancer. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2016, 12, 223-234.	1.7	45
103	Characterization of a xenograft model of human ovarian carcinoma which produces intraperitoneal carcinomatosis and metastases in mice. , 1996, 68, 588-595.		44
104	Absorbed photodynamic dose from pulsed versus continuous wave light examined with tissue-simulating dosimeters. <i>Applied Optics</i> , 1997, 36, 7257.	2.1	44
105	Photophysical Properties of Tin Ethyl Etiopurpurin I (SnET2) and Tin Octaethylbenzochlorin (SnOEBC) in Solution and Bound to Albumin. <i>Photochemistry and Photobiology</i> , 1998, 68, 809-815.	1.3	43
106	Vitamin D Enhances ALA-Induced Protoporphyrin IX Production and Photodynamic Cell Death in 3-D Organotypic Cultures of Keratinocytes. <i>Journal of Investigative Dermatology</i> , 2007, 127, 925-934.	0.3	43
107	Optical Imaging, Photodynamic Therapy and Optically Triggered Combination Treatments. <i>Cancer Journal (Sudbury, Mass.)</i> , 2015, 21, 194-205.	1.0	43
108	Immobilization of Photo-Immunoconjugates on Nanoparticles Leads to Enhanced Light-Activated Biological Effects. <i>Small</i> , 2018, 14, e1800236.	5.2	43

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109	Fluorouracil Enhances Photodynamic Therapy of Squamous Cell Carcinoma via a p53-Independent Mechanism that Increases Porphyrin IX levels and Tumor Cell Death. <i>Molecular Cancer Therapeutics</i> , 2017, 16, 1092-1101.	1.9	42
110	Protoporphyrin IX fluorescence photobleaching increases with the use of fractionated irradiation in the esophagus. <i>Journal of Biomedical Optics</i> , 2008, 13, 034009.	1.4	41
111	Antimicrobial Photodynamic Efficacy of Side-chain Functionalized Benzo[ <i>a</i> ]phenothiazinium Dyes. <i>Photochemistry and Photobiology</i> , 2009, 85, 111-118.	1.3	41
112	Comprehensive high-throughput image analysis for therapeutic efficacy of architecturally complex heterotypic organoids. <i>Scientific Reports</i> , 2017, 7, 16645.	1.6	41
113	Comparing desferrioxamine and light fractionation enhancement of ALA-PpIX photodynamic therapy in skin cancer. <i>British Journal of Cancer</i> , 2016, 115, 805-813.	2.9	40
114	Real-time fluorescence monitoring of phenothiazinium photosensitizers and their anti-mycobacterial photodynamic activity against <i>Mycobacterium bovis</i> BCG in in vitro and in vivo models of localized infection. <i>Photochemical and Photobiological Sciences</i> , 2007, 6, 1117.	1.6	39
115	EUS-guided verteporfin photodynamic therapy for pancreatic cancer. <i>Gastrointestinal Endoscopy</i> , 2021, 94, 179-186.	0.5	39
116	Pulsed diode laser-based singlet oxygen monitor for photodynamic therapy: in vivo studies of tumor-laden rats. <i>Journal of Biomedical Optics</i> , 2008, 13, 064035.	1.4	38
117	Combination of Oral Vitamin D <sub>3</sub> with Photodynamic Therapy Enhances Tumor Cell Death in a Murine Model of Cutaneous Squamous Cell Carcinoma. <i>Photochemistry and Photobiology</i> , 2014, 90, 1126-1135.	1.3	38
118	Nanolipid Formulations of Benzoporphyrin Derivative: Exploring the Dependence of Nanoconstruct Photophysics and Photochemistry on Their Therapeutic Index in Ovarian Cancer Cells. <i>Photochemistry and Photobiology</i> , 2019, 95, 364-377.	1.3	38
119	Pulsed diode laser-based monitor for singlet molecular oxygen. <i>Journal of Biomedical Optics</i> , 2008, 13, 034010.	1.4	37
120	Synthesis and Characterization of Mono-, Di-, and Tri-Poly(ethylene glycol) Chlorin e <sub>6</sub> Conjugates for the Photokilling of Human Ovarian Cancer Cells. <i>Journal of Organic Chemistry</i> , 2012, 77, 10638-10647.	1.7	37
121	Impact of treatment response metrics on photodynamic therapy planning and outcomes in a three-dimensional model of ovarian cancer. <i>Journal of Biomedical Optics</i> , 2013, 18, 098004.	1.4	37
122	Benzoporphyrin-Lipoprotein-Mediated Photodestruction of Intraocular Tumors. <i>Experimental Eye Research</i> , 1996, 62, 1-10.	1.2	36
123	Integrin-Mediated Adhesion and Signalling in Ovarian Cancer Cells. <i>Cellular Signalling</i> , 1998, 10, 55-63.	1.7	35
124	In-vivo singlet oxygen dosimetry of clinical 5-aminolevulinic acid photodynamic therapy. <i>Journal of Biomedical Optics</i> , 2008, 13, 050504.	1.4	35
125	Application of photodynamic therapy in gastrointestinal disorders: an outdated or re-emerging technique?. <i>Korean Journal of Internal Medicine</i> , 2017, 32, 1-10.	0.7	35
126	Development and evaluation of a low-cost, portable, LED-based device for PDT treatment of early-stage oral cancer in resource-limited settings. <i>Lasers in Surgery and Medicine</i> , 2019, 51, 345-351.	1.1	35



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127	Neoadjuvant photodynamic therapy augments immediate and prolonged oxaliplatin efficacy in metastatic pancreatic cancer organoids. <i>Oncotarget</i> , 2018, 9, 13009-13022.	0.8	35
128	Light Dosimetry for Intraperitoneal Photodynamic Therapy in a Murine Xenograft Model of Human Epithelial Ovarian Carcinoma. <i>Photochemistry and Photobiology</i> , 1998, 68, 281-288.	1.3	33
129	Photodynamic activation as a molecular switch to promote osteoblast cell differentiation via AP-1 activation. <i>Scientific Reports</i> , 2015, 5, 13114.	1.6	33
130	Enhanced efficacy of photodynamic therapy by inhibiting ABCG2 in colon cancers. <i>BMC Cancer</i> , 2015, 15, 504.	1.1	33
131	Vitamin D Receptor Activation and Photodynamic Priming Enables Durable Low-dose Chemotherapy. <i>Molecular Cancer Therapeutics</i> , 2020, 19, 1308-1319.	1.9	33
132	Photodynamic therapy against intracellular pathogens: Problems and potentials. <i>Medical Laser Application: International Journal for Laser Treatment and Research</i> , 2006, 21, 251-260.	0.4	32
133	Decreased metastatic phenotype in cells resistant to aminolevulinic acid-photodynamic therapy. <i>Cancer Letters</i> , 2008, 271, 342-351.	3.2	32
134	Current Prospects for Treatment of Solid Tumors via Photodynamic, Photothermal, or Ionizing Radiation Therapies Combined with Immune Checkpoint Inhibition (A Review). <i>Pharmaceuticals</i> , 2021, 14, 447.	1.7	32
135	In vitro ovarian tumor growth and treatment response dynamics visualized with time-lapse OCT imaging. <i>Optics Express</i> , 2009, 17, 8892.	1.7	31
136	High Vascular Delivery of EGF, but Low Receptor Binding Rate Is Observed in AsPC-1 Tumors as Compared to Normal Pancreas. <i>Molecular Imaging and Biology</i> , 2012, 14, 472-479.	1.3	31
137	Mechanism of Differentiation-Enhanced Photodynamic Therapy for Cancer: Upregulation of Coproporphyrinogen Oxidase by C/EBP Transcription Factors. <i>Molecular Cancer Therapeutics</i> , 2013, 12, 1638-1650.	1.9	31
138	Flow-induced Shear Stress Confers Resistance to Carboplatin in an Adherent Three-Dimensional Model for Ovarian Cancer: A Role for EGFR-Targeted Photoimmunotherapy Informed by Physical Stress. <i>Journal of Clinical Medicine</i> , 2020, 9, 924.	1.0	31
139	Low dose photodynamic therapy harmonizes with radiation therapy to induce beneficial effects on pancreatic heterocellular spheroids. <i>Oncotarget</i> , 2019, 10, 2625-2643.	0.8	31
140	Rapid optical determination of $\beta$ -lactamase and antibiotic activity. <i>BMC Microbiology</i> , 2014, 14, 84.	1.3	29
141	Photoimmunotherapy and Irradiance Modulation Reduce Chemotherapy Cycles and Toxicity in a Murine Model for Ovarian Carcinomatosis: Perspective and Results. <i>Israel Journal of Chemistry</i> , 2012, 52, 776-787.	1.0	28
142	Photoimmunotherapy of Ovarian Cancer: A Unique Niche in the Management of Advanced Disease. <i>Cancers</i> , 2019, 11, 1887.	1.7	28
143	Synthetic inhibitor of matrix metalloproteinases (batimastat) reduces prostate cancer growth in an orthotopic rat model. <i>Journal of Cellular Biochemistry</i> , 2000, 43, 77-82.		25
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