

# Tayyaba Hasan

## List of Publications by Year in descending order

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272  
papers

18,168  
citations

12322  
69  
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14736  
127  
g-index

274  
all docs

274  
docs citations

274  
times ranked

15739  
citing authors

#	ARTICLE	IF	CITATIONS
1	Dual Function Antibody Conjugates for Multimodal Imaging and Photoimmunotherapy of Cancer Cells. Photochemistry and Photobiology, 2022, 98, 220-231.	1.3	11
2	EGFR-targeted multi-modal molecular imaging and treatment in a heterocellular model of head and neck cancer. , 2022, , .		3
3	Clinical evaluation of a mobile, low-cost system for fluorescence guided photodynamic therapy of early oral cancer in India. Photodiagnosis and Photodynamic Therapy, 2022, 38, 102843.	1.3	12
4	Significant improvement of facial actinic keratoses after blue light photodynamic therapy with oral vitamin D pretreatment: An interventional cohort-controlled trial. Journal of the American Academy of Dermatology, 2022, 87, 80-86.	0.6	16
5	Combined Fluorescence and Optoacoustic Imaging for Monitoring Treatments against CT26 Tumors with Photoactivatable Liposomes. Cancers, 2022, 14, 197.	1.7	7
6	Spatiotemporal Tracking of Different Cell Populations in Cancer Organoid Models for Investigations on Photodynamic Therapy. Methods in Molecular Biology, 2022, 2451, 81-90.	0.4	3
7	Subcutaneous Xenograft Models for Studying PDT In Vivo. Methods in Molecular Biology, 2022, 2451, 127-149.	0.4	0
8	High-Throughput Examination of Therapy-Induced Alterations in Redox Metabolism in Spheroid and Microtumor Models. Methods in Molecular Biology, 2022, 2451, 71-80.	0.4	0
9	A Perfusion Model to Evaluate Response to Photodynamic Therapy in 3D Tumors. Methods in Molecular Biology, 2022, 2451, 49-58.	0.4	0
10	Analysis of Treatment Effects on Structurally Complex Microtumor Cultures Using a Comprehensive Image Analysis Procedure. Methods in Molecular Biology, 2022, 2451, 59-70.	0.4	0
11	Orthotopic Models of Pancreatic Cancer to Study PDT. Methods in Molecular Biology, 2022, 2451, 163-173.	0.4	0
12	Evaluation of photosensitizer-containing superhydrophobic surfaces for the antibacterial treatment of periodontal biofilms. Journal of Photochemistry and Photobiology B: Biology, 2022, 233, 112458.	1.7	5
13	Remediating Desmoplasia with EGFR-Targeted Photoactivable Multi-Inhibitor Liposomes Doubles Overall Survival in Pancreatic Cancer. Advanced Science, 2022, 9, .	5.6	22
14	Is tumor cell specificity distinct from tumor selectivity in vivo? A quantitative NIR molecular imaging analysis of nanoliposome targeting. Nano Research, 2021, 14, 1344-1354.	5.8	7
15	What NIR photodynamic activation offers molecular targeted nanomedicines: Perspectives into the conundrum of tumor specificity and selectivity. Nano Today, 2021, 36, 101052.	6.2	21
16	Visualization and quantification of pancreatic tumor stroma in fresh tissue via ultraviolet surface excitation. Journal of Biomedical Optics, 2021, 26, .	1.4	3
17	Current Prospects for Treatment of Solid Tumors via Photodynamic, Photothermal, or Ionizing Radiation Therapies Combined with Immune Checkpoint Inhibition (A Review). Pharmaceuticals, 2021, 14, 447.	1.7	32
18	Membrane composition is a functional determinant of NIR-activable liposomes in orthotopic head and neck cancer. Nanophotonics, 2021, 10, 3169-3185.	2.9	15

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19	Antimicrobial Photodynamic Inactivation Using Topical and Superhydrophobic Sensitizer Techniques: A Perspective from Diffusion in Biofilms <sup>&lt;sup&gt;â€‹&lt;/sup&gt;</sup> . Photochemistry and Photobiology, 2021, 97, 1266-1277.	1.3	12
20	EUS-guided verteporfin photodynamic therapy for pancreatic cancer. Gastrointestinal Endoscopy, 2021, 94, 179-186.	0.5	39
21	CT radiomic features of photodynamic priming in clinical pancreatic adenocarcinoma treatment. Physics in Medicine and Biology, 2021, 66, 175006.	1.6	12
22	One-Step Detection and Classification of Bacterial Carbapenemases in 10 Minutes Using Fluorescence Identification of $\beta$ -Lactamase Activity. Journal of Clinical Microbiology, 2021, 59, e0251720.	1.8	2
23	Photodynamic priming with triple-receptor targeted nanoconjugates that trigger T cell-mediated immune responses in a 3D <i>in vitro</i> heterocellular model of pancreatic cancer. Nanophotonics, 2021, 10, 3199-3214.	2.9	12
24	Nanotechnology, photonics, and immunotherapy for cancer diagnostics and therapeutics. Nanophotonics, 2021, 10, 2969-2971.	2.9	0
25	Photodynamic and antibiotic therapy in combination against bacterial infections: efficacy, determinants, mechanisms, and future perspectives. Advanced Drug Delivery Reviews, 2021, 177, 113941.	6.6	67
26	REAP (Rapid Elimination of Active Plasmodium): A photodynamic strategy exploiting intrinsic kinetics of the parasite to combat severe malaria. Journal of Photochemistry and Photobiology B: Biology, 2021, 223, 112286.	1.7	2
27	OPD (Online Plasmodium Diagnosis): An ALA-PpIX based functional assay to predict active malaria. Photodiagnosis and Photodynamic Therapy, 2021, 36, 102510.	1.3	1
28	Quantitative Insights Into $\beta$ -Lactamase Inhibitor <sup>â€™</sup> s Contribution in the Treatment of Carbapenemase-Producing Organisms With $\beta$ -Lactams. Frontiers in Microbiology, 2021, 12, 756410.	1.5	1
29	Dramatic Reduction of Distant Pancreatic Metastases Using Local Light Activation of Verteporfin with Nab-Paclitaxel. Cancers, 2021, 13, 5781.	1.7	2
30	Weather <sup>â€™</sup> -informed Light <sup>â€™</sup> -tissue Model <sup>â€™</sup> -Based Dose Planning for Indoor Daylight Photodynamic Therapy. Photochemistry and Photobiology, 2020, 96, 320-326.	1.3	8
31	Breaking the selectivity-uptake trade-off of photoimmunoconjugates with nanoliposomal irinotecan for synergistic multi-tier cancer targeting. Journal of Nanobiotechnology, 2020, 18, 1.	4.2	226
32	NIR Photodynamic Destruction of PDAC and HNSCC Nodules Using Triple-Receptor-Targeted Photoimmuno-Nanoconjugates: Targeting Heterogeneity in Cancer. Journal of Clinical Medicine, 2020, 9, 2390.	1.0	20
33	Photodynamic therapy, priming and optical imaging: Potential co-conspirators in treatment design and optimization â€™ a Thomas Dougherty Award for Excellence in PDT paper. Journal of Porphyrins and Phthalocyanines, 2020, 24, 1320-1360.	0.4	48
34	Novel Rapid Test for Detecting Carbapenemase. Emerging Infectious Diseases, 2020, 26, 793-795.	2.0	9
35	Cabozantinib Inhibits Photodynamic Therapy-Induced Auto- and Paracrine MET Signaling in Heterotypic Pancreatic Microtumors. Cancers, 2020, 12, 1401.	1.7	9
36	Vitamin D and Other Differentiation <sup>â€™</sup> -promoting Agents as Neoadjuvants for Photodynamic Therapy of Cancer. Photochemistry and Photobiology, 2020, 96, 529-538.	1.3	20

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37	Vitamin D Receptor Activation and Photodynamic Priming Enables Durable Low-dose Chemotherapy. <i>Molecular Cancer Therapeutics</i> , 2020, 19, 1308-1319.	1.9	33
38	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
39	Clinical evaluation of smartphone-based fluorescence imaging for guidance and monitoring of ALA-PDT treatment of early oral cancer. <i>Journal of Biomedical Optics</i> , 2020, 25, 1.	1.4	19
40	Abstract A17: Enhanced immune infiltration and antitumor immune reactivity in response to optical priming in pancreatic cancer. <i>Cancer Immunology Research</i> , 2020, 8, A17-A17.	1.6	2
41	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
42	The Course of Immune Stimulation by Photodynamic Therapy: Bridging Fundamentals of Photochemically Induced Immunogenic Cell Death to the Enrichment of Tâ€Cell Repertoire. <i>Photochemistry and Photobiology</i> , 2019, 95, 1288-1305.	1.3	96
43	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
44	Tracking Photodynamic- and Chemotherapy-Induced Redox-State Perturbations in 3D Culture Models of Pancreatic Cancer: A Tool for Identifying Therapy-Induced Metabolic Changes. <i>Journal of Clinical Medicine</i> , 2019, 8, 1399.	1.0	18
45	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
46	Towards Bimodal Optical Monitoring of Photodynamic Therapy with Targeted Nanoconstructs: A Phantom Study. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 1918.	1.3	10
47	Illuminating the Numbers: Integrating Mathematical Models to Optimize Photomedicine Dosimetry and Combination Therapies. <i>Frontiers in Physics</i> , 2019, 7, .	1.0	3
48	Liposomal Lapatinib in Combination with Low-Dose Photodynamic Therapy for the Treatment of Glioma. <i>Journal of Clinical Medicine</i> , 2019, 8, 2214.	1.0	15
49	Photodynamic Therapy of Oral Cavity Tumors in Low Resource Settings: Technology Development, Feasibility and Evaluation in Patients. , 2019, , .		1
50	Photoimmunotherapy of Ovarian Cancer: A Unique Niche in the Management of Advanced Disease. <i>Cancers</i> , 2019, 11, 1887.	1.7	28
51	Platform for ergonomic intraoral photodynamic therapy using low-cost, modular 3D-printed components: Design, comfort and clinical evaluation. <i>Scientific Reports</i> , 2019, 9, 15830.	1.6	10
52	Development and evaluation of a lowâ€cost, portable, LEDâ€based device for PDT treatment of earlyâ€stage oral cancer in resourceâ€limited settings. <i>Lasers in Surgery and Medicine</i> , 2019, 51, 345-351.	1.1	35
53	A Combination of Visudyne and a Lipidâ€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
54	Sizeâ€dependent Tumor Response to Photodynamic Therapy and Irinotecan Monotherapies Revealed by Longitudinal Ultrasound Monitoring in an Orthotopic Pancreatic Cancer Model. <i>Photochemistry and Photobiology</i> , 2019, 95, 378-386.	1.3	25

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55	Verteporfin- and sodium porfimer-mediated photodynamic therapy enhances pancreatic cancer cell death without activating stromal cells in the microenvironment. Journal of Biomedical Optics, 2019, 24, 1.	1.4	22
56	Smartphone fluorescence imager for quantitative dosimetry of protoporphyrin-IX-based photodynamic therapy in skin. Journal of Biomedical Optics, 2019, 25, 1.	1.4	11
57	Low dose photodynamic therapy harmonizes with radiation therapy to induce beneficial effects on pancreatic heterocellular spheroids. Oncotarget, 2019, 10, 2625-2643.	0.8	31
58	Monitoring of photodynamic therapy with target nanoconstructs by fluorescence and optoacoustic imaging: numerical simulations and phantom study. , 2019, , .		0
59	Clinical evaluation of smartphone-based fluorescence imaging for guidance and monitoring of ALA PDT. , 2019, , .		0
60	Comparison of Blue and White Lamp Light with Sunlight for Daylight-Mediated, 5-ALA Photodynamic Therapy, <i>in vivo</i> . Photochemistry and Photobiology, 2018, 94, 1049-1057.	1.3	18
61	Photodynamic therapy: Promoting in vitro efficacy of photodynamic therapy by liposomal formulations of a photosensitizing agent. Lasers in Surgery and Medicine, 2018, 50, 499-505.	1.1	49
62	Mechanism-informed Repurposing of Minocycline Overcomes Resistance to Topoisomerase Inhibition for Peritoneal Carcinomatosis. Molecular Cancer Therapeutics, 2018, 17, 508-520.	1.9	25
63	Photodynamic Priming Mitigates Chemotherapeutic Selection Pressures and Improves Drug Delivery. Cancer Research, 2018, 78, 558-571.	0.4	70
64	Immobilization of Photo-Immunoconjugates on Nanoparticles Leads to Enhanced Light-Activated Biological Effects. Small, 2018, 14, e1800236.	5.2	43
65	Neoadjuvant photodynamic therapy augments immediate and prolonged oxaliplatin efficacy in metastatic pancreatic cancer organoids. Oncotarget, 2018, 9, 13009-13022.	0.8	35
66	CANCER THERAPEUTICS WITH LIGHT: ROLE OF NANOSCALE AND TISSUE ENGINEERING IN PHOTODYNAMIC THERAPY. Frontiers in Nanobiomedical Research, 2018, , 219-260.	0.1	0
67	Fluorouracil Enhances Photodynamic Therapy of Squamous Cell Carcinoma via a p53-Independent Mechanism that Increases Protoporphyrin IX levels and Tumor Cell Death. Molecular Cancer Therapeutics, 2017, 16, 1092-1101.	1.9	42
68	Separation of Solid Stress From Interstitial Fluid Pressure in Pancreas Cancer Correlates With Collagen Area Fraction. Journal of Biomechanical Engineering, 2017, 139, .	0.6	20
69	Collagen Complexity Spatially Defines Microregions of Total Tissue Pressure in Pancreatic Cancer. Scientific Reports, 2017, 7, 10093.	1.6	51
70	Comprehensive high-throughput image analysis for therapeutic efficacy of architecturally complex heterotypic organoids. Scientific Reports, 2017, 7, 16645.	1.6	41
71	Assessing daylight & low-dose rate photodynamic therapy efficacy, using biomarkers of photophysical, biochemical and biological damage metrics in situ. Photodiagnosis and Photodynamic Therapy, 2017, 20, 227-233.	1.3	11
72	Notice of Removal: Monitoring treatment response in patient-derived orthotopic Glioblastoma xenograft models with multi-parametric Ultrasound and photoacoustic Imaging. , 2017, , .		0

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73	Application of photodynamic therapy in gastrointestinal disorders: an outdated or re-emerging technique?. Korean Journal of Internal Medicine, 2017, 32, 1-10.	0.7	35
74	Activatable clinical fluorophore-quencher antibody pairs as dual molecular probes for the enhanced specificity of image-guided surgery. Journal of Biomedical Optics, 2017, 22, 1.	1.4	20
75	Beyond the Barriers of Light Penetration: Strategies, Perspectives and Possibilities for Photodynamic Therapy. Theranostics, 2016, 6, 2458-2487.	4.6	307
76	Vision 20/20: Molecularly-guided surgical oncology based upon tumor metabolism or immunologic phenotype: Technological pathways for point of care imaging and intervention. Medical Physics, 2016, 43, 3143-3156.	1.6	12
77	A light-controlled switch after dual targeting of proliferating tumor cells via the membrane receptor EGFR and the nuclear protein Ki-67. Scientific Reports, 2016, 6, 27032.	1.6	13
78	Revisiting photodynamic therapy dosimetry: reductionist & surrogate approaches to facilitate clinical success. Physics in Medicine and Biology, 2016, 61, R57-R89.	1.6	95
79	Comparing desferrioxamine and light fractionation enhancement of ALA-PpIX photodynamic therapy in skin cancer. British Journal of Cancer, 2016, 115, 805-813.	2.9	40
80	Guiding Empiric Treatment for Serious Bacterial Infections via Point of Care $\beta$ -Lactamase Characterization. IEEE Journal of Translational Engineering in Health and Medicine, 2016, 4, 1-10.	2.2	3
81	Photonanomedicine: a convergence of photodynamic therapy and nanotechnology. Nanoscale, 2016, 8, 12471-12503.	2.8	144
82	A photoactivable multi-inhibitor nanoliposome for tumour control and simultaneous inhibition of treatment escape pathways. Nature Nanotechnology, 2016, 11, 378-387.	15.6	201
83	Direct measurement of singlet oxygen by using a photomultiplier tube-based detection system. Journal of Photochemistry and Photobiology B: Biology, 2016, 159, 14-23.	1.7	12
84	Vitamin D for combination photodynamic therapy of skin cancer in individuals with vitamin D deficiency: Insights from a preclinical study in a mouse model of squamous cell carcinoma. , 2016, , .		0
85	Photodynamic Therapy Synergizes with Irinotecan to Overcome Compensatory Mechanisms and Improve Treatment Outcomes in Pancreatic Cancer. Cancer Research, 2016, 76, 1066-1077.	0.4	104
86	Simultaneous delivery of cytotoxic and biologic therapeutics using nanophotoactivatable liposomes enhances treatment efficacy in a mouse model of pancreatic cancer. Nanomedicine: Nanotechnology, Biology, and Medicine, 2016, 12, 223-234.	1.7	45
87	Photodynamic activation as a molecular switch to promote osteoblast cell differentiation via AP-1 activation. Scientific Reports, 2015, 5, 13114.	1.6	33
88	Optical Imaging, Photodynamic Therapy and Optically Triggered Combination Treatments. Cancer Journal (Sudbury, Mass ), 2015, 21, 194-205.	1.0	43
89	Prediction of Tumor Recurrence and Therapy Monitoring Using Ultrasound-Guided Photoacoustic Imaging. Theranostics, 2015, 5, 289-301.	4.6	154
90	Perfusion CT Estimates Photosensitizer Uptake and Biodistribution in a Rabbit Orthotopic Pancreatic Cancer Model. Academic Radiology, 2015, 22, 572-579.	1.3	13

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91	Light-Controlled Delivery of Monoclonal Antibodies for Targeted Photoinactivation of Ki-67. Molecular Pharmaceutics, 2015, 12, 3272-3281.	2.3	48
92	<i>In vivo</i> evaluation of battery-operated light-emitting diode-based photodynamic therapy efficacy using tumor volume and biomarker expression as endpoints. Journal of Biomedical Optics, 2015, 20, 048003.	1.4	21
93	Early photosensitizer uptake kinetics predict optimum drug-light interval for photodynamic therapy. Proceedings of SPIE, 2015, , .	0.8	0
94	Low-cost photodynamic therapy devices for global health settings: Characterization of battery-powered LED performance and smartphone imaging in 3D tumor models. Scientific Reports, 2015, 5, 10093.	1.6	69
95	The role of photodynamic therapy in overcoming cancer drug resistance. Photochemical and Photobiological Sciences, 2015, 14, 1476-1491.	1.6	242
96	Enhanced efficacy of photodynamic therapy by inhibiting ABCG2 in colon cancers. BMC Cancer, 2015, 15, 504.	1.1	33
97	Microscopic lymph node tumor burden quantified by macroscopic dual-tracer molecular imaging. Nature Medicine, 2014, 20, 1348-1353.	15.2	159
98	Combination of Oral Vitamin D <sub>3</sub> with Photodynamic Therapy Enhances Tumor Cell Death in a Murine Model of Cutaneous Squamous Cell Carcinoma. Photochemistry and Photobiology, 2014, 90, 1126-1135.	1.3	38
99	Photosensitizer fluorescence and singlet oxygen luminescence as dosimetric predictors of topical 5-aminolevulinic acid photodynamic therapy induced clinical erythema. Journal of Biomedical Optics, 2014, 19, 028001.	1.4	46
100	ALA-PpIX variability quantitatively imaged in A431 epidermoid tumors using in vivo ultrasound fluorescence tomography and ex vivo assay. Proceedings of SPIE, 2014, , .	0.8	1
101	Dual-channel red/blue fluorescence dosimetry with broadband reflectance spectroscopic correction measures protoporphyrin IX production during photodynamic therapy of actinic keratosis. Journal of Biomedical Optics, 2014, 19, 075002.	1.4	45
102	Microscale receiver operating characteristic analysis of micrometastasis recognition using activatable fluorescent probes indicates leukocyte imaging as a critical factor to enhance accuracy. Journal of Biomedical Optics, 2014, 19, 066006.	1.4	4
103	Rapid, low-cost fluorescent assay of $\beta$ -lactamase-derived antibiotic resistance and related antibiotic susceptibility. Journal of Biomedical Optics, 2014, 19, 105007.	1.4	13
104	Tumor Endothelial Marker Imaging in Melanomas Using Dual-Tracer Fluorescence Molecular Imaging. Molecular Imaging and Biology, 2014, 16, 372-382.	1.3	22
105	Selective treatment and monitoring of disseminated cancer micrometastases in vivo using dual-function, activatable immunoconjugates. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E933-42.	3.3	103
106	CT contrast predicts pancreatic cancer treatment response to verteporfin-based photodynamic therapy. Physics in Medicine and Biology, 2014, 59, 1911-1921.	1.6	20
107	Quantitative <i>In Vivo</i> Immunohistochemistry of Epidermal Growth Factor Receptor Using a Receptor Concentration Imaging Approach. Cancer Research, 2014, 74, 7465-7474.	0.4	60
108	Shining Light on the Dark Side of Imaging: Excited State Absorption Enhancement of a Bis-styryl BODIPY Photoacoustic Contrast Agent. Journal of the American Chemical Society, 2014, 136, 15853-15856.	6.6	86



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109	Rapid optical determination of $\beta$ -lactamase and antibiotic activity. BMC Microbiology, 2014, 14, 84.	1.3	29
110	An imaging-based platform for high-content, quantitative evaluation of therapeutic response in 3D tumour models. Scientific Reports, 2014, 4, 3751.	1.6	117
111	The "World in Photodynamic Therapy. Austin Journal of Nanomedicine & Nanotechnology, 2014, 2, .	0.0	1
112	A new nanoconstruct for epidermal growth factor receptor-targeted photo-immunotherapy of ovarian cancer. Nanomedicine: Nanotechnology, Biology, and Medicine, 2013, 9, 1114-1122.	1.7	61
113	PDT Dose Parameters Impact Tumoricidal Durability and Cell Death Pathways in a 3D Ovarian Cancer Model. Photochemistry and Photobiology, 2013, 89, 942-952.	1.3	63
114	Overcoming therapeutic resistance in pancreatic cancer is not a simple mix of PDT and chemotherapy: Evaluation of PDT-chemotherapy combinations in 3D tumor models. Proceedings of SPIE, 2013, , .	0.8	1
115	Contrast enhanced-magnetic resonance imaging as a surrogate to map verteporfin delivery in photodynamic therapy. Journal of Biomedical Optics, 2013, 18, 120504.	1.4	5
116	Efficient measurement of total tumor microvasculature <i>ex vivo</i> using a mathematical model to optimize volume subsampling. Journal of Biomedical Optics, 2013, 18, 096015.	1.4	2
117	Impact of treatment response metrics on photodynamic therapy planning and outcomes in a three-dimensional model of ovarian cancer. Journal of Biomedical Optics, 2013, 18, 098004.	1.4	37
118	Mechanism of Differentiation-Enhanced Photodynamic Therapy for Cancer: Upregulation of Coproporphyrinogen Oxidase by C/EBP Transcription Factors. Molecular Cancer Therapeutics, 2013, 12, 1638-1650.	1.9	31
119	Dynamic dual-tracer MRI-guided fluorescence tomography to quantify receptor density in vivo. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 9025-9030.	3.3	89
120	Mechanism of enhanced responses after combination photodynamic therapy (cPDT) in carcinoma cells involves C/EBP-mediated transcriptional upregulation of the coproporphyrinogen oxidase (CPO) gene. , 2013, , .		0
121	Flow induces epithelial-mesenchymal transition, cellular heterogeneity and biomarker modulation in 3D ovarian cancer nodules. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, E1974-83.	3.3	184
122	Subsurface PpIX imaging in vivo with ultrasound-guided tomographic spectroscopy: reconstruction vs. born-normalized data. Proceedings of SPIE, 2013, , .	0.8	0
123	Towards image-guided photodynamic therapy of Glioblastoma. , 2013, , .		1
124	An ultrasound-guided fluorescence tomography system: design and specification. , 2013, , .		0
125	Improved tumor contrast achieved by single time point dual-reporter fluorescence imaging. Journal of Biomedical Optics, 2012, 17, 066001.	1.4	60
126	In Vivo Quantification of Tumor Receptor Binding Potential with Dual-Reporter Molecular Imaging. Molecular Imaging and Biology, 2012, 14, 584-592.	1.3	123



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127	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
128	The Vitamin D Analog Calcipotriol Combined with Aminolevulinic Acid-Mediated Photodynamic Therapy for Human Psoriasis: A Proof-of-Principle Study. <i>Israel Journal of Chemistry</i> , 2012, 52, 767-775.	1.0	21
129	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
130	Light-Activated Pharmaceuticals in Therapy and Diagnosis. <i>Israel Journal of Chemistry</i> , 2012, 52, 671-672.	1.0	0
131	Synthesis and Characterization of Mono-, Di-, and Tri-Poly(ethylene glycol) Chlorin $e_{647}$ Conjugates for the Photokilling of Human Ovarian Cancer Cells. <i>Journal of Organic Chemistry</i> , 2012, 77, 10638-10647.	1.7	37
132	Biomodulatory approaches to photodynamic therapy for solid tumors. <i>Cancer Letters</i> , 2012, 326, 8-16.	3.2	139
133	Using Cellular Mechanisms to Develop Effective Combinations of Photodynamic Therapy and Targeted Therapies. <i>Journal of the National Comprehensive Cancer Network: JNCCN</i> , 2012, 10, S-23-S-26.	2.3	13
134	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
135	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
136	Killing Hypoxic Cell Populations in a 3D Tumor Model with EtNBS-PDT. <i>PLoS ONE</i> , 2011, 6, e23434.	1.1	79
137	Biologically relevant 3D tumor arrays: imaging-based methods for quantification of reproducible growth and analysis of treatment response. , 2011, , .		4
138	Biologically relevant 3D tumor arrays: treatment response and the importance of stromal partners. <i>Proceedings of SPIE</i> , 2011, , .	0.8	6
139	In vivo validation of high frequency ultrasound-guided fluorescence tomography system to improve delivery of photodynamic therapy. <i>Proceedings of SPIE</i> , 2011, , .	0.8	1
140	Imaging enabled platforms for development of therapeutics. , 2011, , .		1
141	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
142	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
143	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
144	Theranostic nanocells for simultaneous imaging and photodynamic therapy of pancreatic cancer. <i>Proceedings of SPIE</i> , 2010, , .	0.8	7

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145	Visualizing photodynamic therapy response with time-lapse OCT in an in vitro model of metastatic ovarian cancer. , 2010, , .		5
146	Development and applications of photo-triggered theranostic agents. Advanced Drug Delivery Reviews, 2010, 62, 1094-1124.	6.6	458
147	Imaging and Photodynamic Therapy: Mechanisms, Monitoring, and Optimization. Chemical Reviews, 2010, 110, 2795-2838.	23.0	2,005
148	Monitoring the efficacy of antimicrobial photodynamic therapy in a murine model of cutaneous leishmaniasis using <i>L. major</i> expressing GFP. Journal of Biophotonics, 2010, 3, 328-335.	1.1	17
149	Imaging Tumor Variation in Response to Photodynamic Therapy in Pancreatic Cancer Xenograft Models. International Journal of Radiation Oncology Biology Physics, 2010, 76, 251-259.	0.4	46
150	Rapid Functional Definition of Extended Spectrum $\beta$ -Lactamase Activity in Bacterial Cultures via Competitive Inhibition of Fluorescent Substrate Cleavage. Photochemistry and Photobiology, 2010, 86, 1267-1271.	1.3	9
151	Quantitative imaging reveals heterogeneous growth dynamics and treatment-dependent residual tumor distributions in a three-dimensional ovarian cancer model. Journal of Biomedical Optics, 2010, 15, 1.	1.4	70
152	Synergistic Enhancement of Carboplatin Efficacy with Photodynamic Therapy in a Three-Dimensional Model for Micrometastatic Ovarian Cancer. Cancer Research, 2010, 70, 9319-9328.	0.4	159
153	Ki-67 as a Molecular Target for Therapy in an <i>In vitro</i> Three-Dimensional Model for Ovarian Cancer. Cancer Research, 2010, 70, 9234-9242.	0.4	72
154	Imaging targeted-agent binding in vivo with two probes. Journal of Biomedical Optics, 2010, 15, 030513.	1.4	47
155	Detecting Epidermal Growth Factor Receptor Tumor Activity In Vivo During Cetuximab Therapy of Murine Gliomas. Academic Radiology, 2010, 17, 7-17.	1.3	22
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