

Imran Rizvi

List of Publications by Year in descending order

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83
papers

5,548
citations

117571

34
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138417

58
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83
all docs

83
docs citations

83
times ranked

7175
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanical Modulation of Ovarian Cancer Tumor Nodules Under Flow. IEEE Transactions on Biomedical Engineering, 2022, 69, 294-301.	2.5	6
2	Per- and poly-fluoroalkyl substances (PFAS) and female reproductive outcomes: PFAS elimination, endocrine-mediated effects, and disease. Toxicology, 2022, 465, 153031.	2.0	87
3	A Perfusion Model to Evaluate Response to Photodynamic Therapy in 3D Tumors. Methods in Molecular Biology, 2022, 2451, 49-58.	0.4	0
4	Select Per- and Polyfluoroalkyl Substances (PFAS) Induce Resistance to Carboplatin in Ovarian Cancer Cell Lines. International Journal of Molecular Sciences, 2022, 23, 5176.	1.8	8
5	Critical PDT theory II: Current concepts and indications. Photodiagnosis and Photodynamic Therapy, 2022, 39, 102923.	1.3	4
6	Photodestruction of Stromal Fibroblasts Enhances Tumor Response to PDT in 3D Pancreatic Cancer Coculture Models. Photochemistry and Photobiology, 2021, 97, 416-426.	1.3	13
7	Emerging biofabrication approaches for gastrointestinal organoids towards patient specific cancer models. Cancer Letters, 2021, 504, 116-124.	3.2	5
8	Malignant Ascites in Ovarian Cancer: Cellular, Acellular, and Biophysical Determinants of Molecular Characteristics and Therapy Response. Cancers, 2021, 13, 4318.	1.7	47
9	Cancer Cell-targeted and Activatable Photoimmunotherapy Spares T Cells in a 3D Coculture Model. Photochemistry and Photobiology, 2020, 96, 295-300.	1.3	18
10	Photodynamic Therapy and the Biophysics of the Tumor Microenvironment. Photochemistry and Photobiology, 2020, 96, 232-259.	1.3	55
11	Cabozantinib Inhibits Photodynamic Therapy-Induced Auto- and Paracrine MET Signaling in Heterotypic Pancreatic Microtumors. Cancers, 2020, 12, 1401.	1.7	9
12	Vitamin D Receptor Activation and Photodynamic Priming Enables Durable Low-dose Chemotherapy. Molecular Cancer Therapeutics, 2020, 19, 1308-1319.	1.9	33
13	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. Journal of Clinical Medicine, 2020, 9, 924.	1.0	31
14	Modulation of redox metabolism negates cancer-associated fibroblasts-induced treatment resistance in a heterotypic 3D culture platform of pancreatic cancer. Biomaterials, 2019, 222, 119421.	5.7	55
15	Mechanical Characterization of 3D Ovarian Cancer Nodules Using Brillouin Confocal Microscopy. Cellular and Molecular Bioengineering, 2019, 12, 215-226.	1.0	27
16	Illuminating the Numbers: Integrating Mathematical Models to Optimize Photomedicine Dosimetry and Combination Therapies. Frontiers in Physics, 2019, 7, .	1.0	3
17	A Combination of Visudyne and a Lipid-anchored Liposomal Formulation of Benzoporphyrin Derivative Enhances Photodynamic Therapy Efficacy in a 3D Model for Ovarian Cancer. Photochemistry and Photobiology, 2019, 95, 419-429.	1.3	60
18	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

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19	Mechanism-informed Repurposing of Minocycline Overcomes Resistance to Topoisomerase Inhibition for Peritoneal Carcinomatosis. <i>Molecular Cancer Therapeutics</i> , 2018, 17, 508-520.	1.9	25
20	Photodynamic Priming Mitigates Chemotherapeutic Selection Pressures and Improves Drug Delivery. <i>Cancer Research</i> , 2018, 78, 558-571.	0.4	70
21	Hydrogels as a New Platform to Recapitulate the Tumor Microenvironment. , 2018, , 463-494.		9
22	Neoadjuvant photodynamic therapy augments immediate and prolonged oxaliplatin efficacy in metastatic pancreatic cancer organoids. <i>Oncotarget</i> , 2018, 9, 13009-13022.	0.8	35
23	CANCER THERAPEUTICS WITH LIGHT: ROLE OF NANOSCALE AND TISSUE ENGINEERING IN PHOTODYNAMIC THERAPY. <i>Frontiers in Nanobiomedical Research</i> , 2018, , 219-260.	0.1	0
24	3D Cancer Models on Hydrogels. , 2016, , 207-256.		1
25	Designing PDT-based combinations to overcome chemoresistance in heterocellular 3D tumor models (Conference Presentation). , 2016, , .		0
26	Adapting biomodulatory strategies for treatment in new contexts: pancreatic and oral cancers (Conference Presentation). , 2016, , .		0
27	Mechanistic exploration of a bi-directional PDT-based combination in pancreatic cancer (Conference) Tj ETQq1 1 0.784314 rgBT /Over		0
28	Repurposing of tetracyclines to overcome resistance pathways associated with photochemotherapy in cancer (Conference Presentation). , 2016, , .		0
29	Development of low-cost devices for image-guided photodynamic therapy treatment of oral cancer in global health settings. <i>Proceedings of SPIE</i> , 2016, , .	0.8	2
30	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
31	CHAPTER 11. Mind the Gap: 3D Models in Photodynamic Therapy. <i>Comprehensive Series in Photochemical and Photobiological Sciences</i> , 2016, , 197-221.	0.3	5
32	<i>In vivo</i> evaluation of battery-operated light-emitting diode-based photodynamic therapy efficacy using tumor volume and biomarker expression as endpoints. <i>Journal of Biomedical Optics</i> , 2015, 20, 048003.	1.4	21
33	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
34	The role of photodynamic therapy in overcoming cancer drug resistance. <i>Photochemical and Photobiological Sciences</i> , 2015, 14, 1476-1491.	1.6	242
35	Selective treatment and monitoring of disseminated cancer micrometastases in vivo 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
36	Delivery of a Photosensitizer Drug and Singlet Oxygen: Eradication of Glioma Cells <i>In Vitro</i> . <i>Photochemistry and Photobiology</i> , 2014, 90, 1119-1125.	1.3	12

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37	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
38	<scp>PDT</scp> 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
39	Overcoming therapeutic resistance in pancreatic cancer is not a simple mix of PDT and chemotherapy: Evaluation of PDT-chemotherapy combinations in 3D tumor models. <i>Proceedings of SPIE</i> , 2013, , .	0.8	1
40	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
41	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
42	Abstract 1101: Examining the role of the mechanical microenvironment in pancreatic cancer: microrheology studies in 3D tumor models.. , 2013, , .		0
43	Abstract B148: Ultrasound image guided combination therapies involving photodynamic therapy and irinotecan.. , 2013, , .		0
44	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
45	Probing tumor-stroma interactions and response to photodynamic therapy in a 3D pancreatic cancer-fibroblast co-culture model. <i>Proceedings of SPIE</i> , 2012, , .	0.8	4
46	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
47	Killing Hypoxic Cell Populations in a 3D Tumor Model with EtNBS-PDT. <i>PLoS ONE</i> , 2011, 6, e23434.	1.1	79
48	Biologically relevant 3D tumor arrays: imaging-based methods for quantification of reproducible growth and analysis of treatment response. , 2011, , .		4
49	Biologically relevant 3D tumor arrays: treatment response and the importance of stromal partners. <i>Proceedings of SPIE</i> , 2011, , .	0.8	6
50	Imaging enabled platforms for development of therapeutics. , 2011, , .		1
51	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
52	Visualizing photodynamic therapy response with time-lapse OCT in an in vitro model of metastatic ovarian cancer. , 2010, , .		5
53	Three-dimensional ovarian cancer models: imaging and therapeutic combinations. , 2010, , .		1
54	Imaging and Photodynamic Therapy: Mechanisms, Monitoring, and Optimization. <i>Chemical Reviews</i> , 2010, 110, 2795-2838.	23.0	2,005

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55	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
56	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
57	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
58	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
59	Abstract 3261: Visualizing treatment response dynamics of an in vitro three-dimensional ovarian cancer model. , 2010, , .		0
60	In vivo high-resolution fluorescence microendoscopy for ovarian cancer detection and treatment monitoring. British Journal of Cancer, 2009, 101, 2015-2022.	2.9	90
61	In vitro ovarian tumor growth and treatment response dynamics visualized with time-lapse OCT imaging. Optics Express, 2009, 17, 8892.	1.7	31
62	Uptake of verteporfin by orthotopic xenograft pancreas models with different levels of aggression. , 2009, , .		5
63	Intravital fiber-optic fluorescence imaging for monitoring ovarian carcinoma progression and treatment response. , 2009, , .		0
64	PuraMatrix Encapsulation of Cancer Cells. Journal of Visualized Experiments, 2009, , .	0.2	24
65	Magnetic resonance image-guided photodynamic therapy of xenograft pancreas tumors with verteporfin. Proceedings of SPIE, 2009, , .	0.8	6
66	Abstract C83: The proliferation marker Ki-67 as novel molecular target in cancer therapy. , 2009, , .		0
67	In-vivo singlet oxygen dosimetry of clinical 5-aminolevulinic acid photodynamic therapy. Journal of Biomedical Optics, 2008, 13, 050504.	1.4	35
68	<i>In vivo</i> Optical Molecular Imaging of Vascular Endothelial Growth Factor for Monitoring Cancer Treatment. Clinical Cancer Research, 2008, 14, 4146-4153.	3.2	62
69	In vivo, on-line monitoring of molecular response to photodynamic therapy: molecular imaging of vascular endothelial growth factor. , 2007, , .		0
70	Molecular imaging of photodynamic therapy efficacy. , 2007, , .		0
71	The Molecular Basis of Vitamin D Receptor and β -Catenin Crossregulation. Molecular Cell, 2006, 21, 799-809.	4.5	238
72	The Molecular Basis of Vitamin D Receptor and β -Catenin Crossregulation. Molecular Cell, 2006, 22, 148.	4.5	0

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73	Molecular imaging of photodynamic therapy. , 2006, 6097, 609701.		2
74	Three-dimensional miniature endoscopy. Nature, 2006, 443, 765-765.	13.7	120
75	Targeted photodynamic therapy. Lasers in Surgery and Medicine, 2006, 38, 522-531.	1.1	139
76	A Mechanism-Based Combination Therapy Reduces Local Tumor Growth and Metastasis in an Orthotopic Model of Prostate Cancer. Cancer Research, 2006, 66, 10953-10958.	0.4	71
77	In Vivo Imaging of VEGF Expression for Monitoring Molecular Response to Cancer Therapy. , 2006, , .		0
78	Synergism of Epidermal Growth Factor Receptor-Targeted Immunotherapy With Photodynamic Treatment of Ovarian Cancer In Vivo. Journal of the National Cancer Institute, 2005, 97, 1516-1524.	3.0	140
79	Pegylation of charged polymer-photosensitiser conjugates: effects on photodynamic efficacy. British Journal of Cancer, 2003, 89, 937-943.	2.9	58
80	Intraperitoneal Photoimmunotherapy of Ovarian Carcinoma Xenografts in Nude Mice Using Charged Photoimmunoconjugates. Gynecologic Oncology, 2000, 76, 397-404.	0.6	56
81	Biodistribution of charged 17.1A photoimmunoconjugates in a murine model of hepatic metastasis of colorectal cancer. British Journal of Cancer, 2000, 83, 1544-1551.	2.9	42
82	<title>Photoimmunotherapy of ovarian cancer (Invited Paper)</title>. , 2000, 3909, 30.		0
83	Photodynamic Stromal Depletion (PSD) Enhances Therapeutic Nanoparticle Delivery in 3D Pancreatic Ductal Adenocarcinoma (PDAC) Tumor Models. Photochemistry and Photobiology, 0, , .	1.3	4