# Imran Rizvi

List of Publications by Year
in descending order



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|---|---|---|---|
| 83 papers | 5,548 citations | 117571 34 h-index | 138417 58 g-index |
| 83 all docs | 83 docs citations | 83 times ranked | 7175 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Imaging and Photodynamic Therapy: Mechanisms, Monitoring, and Optimization. Chemical Reviews, 2010, 110, 2795-2838. | 23.0 | 2,005 |
| 2 | A threeâ€dimensional in vitro ovarian cancer coculture model using a highâ€throughput cell patterning platform. Biotechnology Journal, 2011, 6, 204-212. | 1.8 | 281 |
| 3 | The role of photodynamic therapy in overcoming cancer drug resistance. Photochemical and Photobiological Sciences, 2015, 14, 1476-1491. | 1.6 | 242 |
| 4 | The Molecular Basis of Vitamin D Receptor and Î²-Catenin Crossregulation. Molecular Cell, 2006, 21, 799-809. | 4.5 | 238 |
| 5 | 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 |
| 6 | 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 |
| 7 | Synergism of Epidermal Growth Factor Receptorâ€"Targeted Immunotherapy With Photodynamic Treatment of Ovarian Cancer In Vivo. Journal of the National Cancer Institute, 2005, 97, 1516-1524. | 3.0 | 140 |
| 8 | Targeted photodynamic therapy. Lasers in Surgery and Medicine, 2006, 38, 522-531. | 1.1 | 139 |
| 9 | Three-dimensional miniature endoscopy. Nature, 2006, 443, 765-765. | 13.7 | 120 |
| 10 | An imaging-based platform for high-content, quantitative evaluation of therapeutic response in 3D tumour models. Scientific Reports, 2014, 4, 3751. | 1.6 | 117 |
| 11 | 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 |
| 12 | 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 |
| 13 | In vivo high-resolution fluorescence microendoscopy for ovarian cancer detection and treatment monitoring. British Journal of Cancer, 2009, 101, 2015-2022. | 2.9 | 90 |
| 14 | Per- and poly-fluoroalkyl substances (PFAS) and female reproductive outcomes: PFAS elimination, endocrine-mediated effects, and disease. Toxicology, 2022, 465, 153031. | 2.0 | 87 |
| 15 | Killing Hypoxic Cell Populations in a 3D Tumor Model with EtNBS-PDT. PLoS ONE, 2011, 6, e23434. | 1.1 | 79 |
| 16 | Ki-67 as a Molecular Target for Therapy in an In vitro Three-Dimensional Model for Ovarian Cancer. Cancer Research, 2010, 70, 9234-9242. | 0.4 | 72 |
| 17 | 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 |
| 18 | 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 |

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|---|---|---|---|
| 19 | Photodynamic Priming Mitigates Chemotherapeutic Selection Pressures and Improves Drug Delivery. Cancer Research, 2018, 78, 558-571. | 0.4 | 70 |
| 20 | 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 |
| 21 | <scp>PDT</scp> 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 |
| 22 | In vivoOptical Molecular Imaging of Vascular Endothelial Growth Factor for Monitoring Cancer Treatment. Clinical Cancer Research, 2008, 14, 4146-4153. | 3.2 | 62 |
| 23 | A Combination of Visudyne and a Lipidâ€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 |
| 24 | Pegylation of charged polymer-photosensitiser conjugates: effects on photodynamic efficacy. British Journal of Cancer, 2003, 89, 937-943. | 2.9 | 58 |
| 25 | Intraperitoneal Photoimmunotherapy of Ovarian Carcinoma Xenografts in Nude Mice Using Charged Photoimmunoconjugates. Gynecologic Oncology, 2000, 76, 397-404. | 0.6 | 56 |
| 26 | 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 |
| 27 | Photodynamic Therapy and the Biophysics of the Tumor Microenvironment. Photochemistry and Photobiology, 2020, 96, 232-259. | 1.3 | 55 |
| 28 | Image-Based Quantification of Benzoporphyrin Derivative Uptake, Localization, and Photobleaching in 3D Tumor Models, for Optimization of PDT Parameters. Theranostics, 2012, 2, 827-839. | 4.6 | 54 |
| 29 | 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 |
| 30 | Malignant Ascites in Ovarian Cancer: Cellular, Acellular, and Biophysical Determinants of Molecular Characteristics and Therapy Response. Cancers, 2021, 13, 4318. | 1.7 | 47 |
| 31 | 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 |
| 32 | 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 |
| 33 | 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 |
| 34 | In-vivo singlet oxygen dosimetry of clinical 5-aminolevulinic acid photodynamic therapy. Journal of Biomedical Optics, 2008, 13, 050504. | 1.4 | 35 |
| 35 | Neoadjuvant photodynamic therapy augments immediate and prolonged oxaliplatin efficacy in metastatic pancreatic cancer organoids. Oncotarget, 2018, 9, 13009-13022. | 0.8 | 35 |
| 36 | Vitamin D Receptor Activation and Photodynamic Priming Enables Durable Low-dose Chemotherapy. Molecular Cancer Therapeutics, 2020, 19, 1308-1319. | 1.9 | 33 |

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| 37 | In vitro ovarian tumor growth and treatment response dynamics visualized with time-lapse OCT imaging. Optics Express, 2009, 17, 8892. | 1.7 | 31 |
| 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. Journal of Clinical Medicine, 2020, 9, 924. | 1.0 | 31 |
| 39 | Photoimmunotherapy and Irradiance Modulation Reduce Chemotherapy Cycles and Toxicity in a Murine Model for Ovarian Carcinomatosis: Perspective and Results. Israel Journal of Chemistry, 2012, 52, 776-787. | 1.0 | 28 |
| 40 | Mechanical Characterization of 3D Ovarian Cancer Nodules Using Brillouin Confocal Microscopy. Cellular and Molecular Bioengineering, 2019, 12, 215-226. | 1.0 | 27 |
| 41 | Mechanism-informed Repurposing of Minocycline Overcomes Resistance to Topoisomerase Inhibition for Peritoneal Carcinomatosis. Molecular Cancer Therapeutics, 2018, 17, 508-520. | 1.9 | 25 |
| 42 | PuraMatrix Encapsulation of Cancer Cells. Journal of Visualized Experiments, 2009, , . | 0.2 | 24 |
| 43 | In vivoevaluation 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 |
| 44 | Cancer Cellâ€targeted and Activatable Photoimmunotherapy Spares T Cells in a 3D Coculture Model. Photochemistry and Photobiology, 2020, 96, 295-300. | 1.3 | 18 |
| 45 | 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 |
| 46 | â€œPointsourceâ€•Delivery of a Photosensitizer Drug and Singlet Oxygen: Eradication of Glioma Cells In Vitro. Photochemistry and Photobiology, 2014, 90, 1119-1125. | 1.3 | 12 |
| 47 | Hydrogels as a New Platform to Recapitulate the Tumor Microenvironment. , 2018, , 463-494. | | 9 |
| 48 | Cabozantinib Inhibits Photodynamic Therapy-Induced Auto- and Paracrine MET Signaling in Heterotypic Pancreatic Microtumors. Cancers, 2020, 12, 1401. | 1.7 | 9 |
| 49 | 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 |
| 50 | Magnetic resonance image-guided photodynamic therapy of xenograft pancreas tumors with verteporfin. Proceedings of SPIE, 2009, , . | 0.8 | 6 |
| 51 | Biologically relevant 3D tumor arrays: treatment response and the importance of stromal partners. Proceedings of SPIE, 2011, , . | 0.8 | 6 |
| 52 | Mechanical Modulation of Ovarian Cancer Tumor Nodules Under Flow. IEEE Transactions on Biomedical Engineering, 2022, 69, 294-301. | 2.5 | 6 |
| 53 | Uptake of verteporfin by orthotopic xenograft pancreas models with different levels of aggression. , 2009, , . | | 5 |
| 54 | Visualizing photodynamic therapy response with time-lapse OCT in an in vitro model of metastatic ovarian cancer. , 2010, , . | | 5 |

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| 55 | Emerging biofabrication approaches for gastrointestinal organoids towards patient specific cancer models. Cancer Letters, 2021, 504, 116-124. | 3.2 | 5 |
| 56 | CHAPTER 11. Mind the Gap: 3D Models in Photodynamic Therapy. Comprehensive Series in Photochemical and Photobiological Sciences, 2016, , 197-221. | 0.3 | 5 |
| 57 | Biologically relevant 3D tumor arrays: imaging-based methods for quantification of reproducible growth and analysis of treatment response. , 2011, , . | | 4 |
| 58 | Probing tumor-stroma interactions and response to photodynamic therapy in a 3D pancreatic cancer-fibroblast co-culture model. Proceedings of SPIE, 2012, , . | 0.8 | 4 |
| 59 | Critical PDT theory II: Current concepts and indications. Photodiagnosis and Photodynamic Therapy, 2022, 39, 102923. | 1.3 | 4 |
| 60 | Photodynamic Stromal Depletion ( <scp>PSD</scp> ) Enhances Therapeutic Nanoparticle Delivery in <scp>3D</scp> Pancreatic Ductal Adenocarcinoma ( <scp>PDAC</scp> ) Tumor Models. Photochemistry and Photobiology, 0, , . | 1.3 | 4 |
| 61 | Illuminating the Numbers: Integrating Mathematical Models to Optimize Photomedicine Dosimetry and Combination Therapies. Frontiers in Physics, 2019, 7, . | 1.0 | 3 |
| 62 | Molecular imaging of photodynamic therapy. , 2006, 6097, 609701. | | 2 |
| 63 | Development of low-cost devices for image-guided photodynamic therapy treatment of oral cancer in global health settings. Proceedings of SPIE, 2016, , . | 0.8 | 2 |
| 64 | Three-dimensional ovarian cancer models: imaging and therapeutic combinations. , 2010, , . | | 1 |
| 65 | Imaging enabled platforms for development of therapeutics. , 2011, , . | | 1 |
| 66 | 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 |
| 67 | 3D Cancer Models on Hydrogels. , 2016, , 207-256. | | 1 |
| 68 | <title>Photoimmunotherapy of ovarian cancer (Invited Paper)</title>. , 2000, 3909, 30. | | 0 |
| 69 | The Molecular Basis of Vitamin D Receptor and Î²-Catenin Crossregulation. Molecular Cell, 2006, 22, 148. | 4.5 | 0 |
| 70 | In vivo, on-line monitoring of molecular response to photodynamic therapy: molecular imaging of vascular endothelial growth factor. , 2007, , . | | 0 |
| 71 | Molecular imaging of photodynamic therapy efficacy. , 2007, , . | | 0 |
| 72 | Intravital fiber-optic fluorescence imaging for monitoring ovarian carcinoma progression and treatment response. , 2009, , . | | 0 |

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|---|---|---|---|
| 73 | Designing PDT-based combinations to overcome chemoresistance in heterocellular 3D tumor models (Conference Presentation). , 2016, , . | | 0 |
| 74 | Adapting biomodulatory strategies for treatment in new contexts: pancreatic and oral cancers (Conference Presentation). , 2016, , . | | 0 |
| 75 | Mechanistic exploration of a bi-directional PDT-based combination in pancreatic cancer (Conference) Tj ETQq1 1 0.784314 rgBT /Over | | 0 |
| 76 | Repurposing of tetracyclines to overcome resistance pathways associated with photochemotherapy in cancer (Conference Presentation). , 2016, , . | | 0 |
| 77 | In Vivo Imaging of VEGF Expression for Monitoring Molecular Response to Cancer Therapy. , 2006, , . | | 0 |
| 78 | Abstract C83: The proliferation marker Kiâ€67 as novel molecular target in cancer therapy. , 2009, , . | | 0 |
| 79 | Abstract 3261: Visualizing treatment response dynamics of an in vitro three-dimensional ovarian cancer model. , 2010, , . | | 0 |
| 80 | Abstract 1101: Examining the role of the mechanical microenvironment in pancreatic cancer: microrheology studies in 3D tumor models.. , 2013, , . | | 0 |
| 81 | Abstract B148: Ultrasound image guided combination therapies involving photodynamic therapy and irinotecan.. , 2013, , . | | 0 |
| 82 | CANCER THERAPEUTICS WITH LIGHT: ROLE OF NANOSCALE AND TISSUE ENGINEERING IN PHOTODYNAMIC THERAPY. Frontiers in Nanobiomedical Research, 2018, , 219-260. | 0.1 | 0 |
| 83 | A PerfusionÂModel to Evaluate Response toÂPhotodynamic Therapy in 3D Tumors. Methods in Molecular Biology, 2022, 2451, 49-58. | 0.4 | 0 |