# Wensha Yang

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/5877020/publications.pdf

Version: 2024-02-01

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|---|---|---|---|
| 58 papers | 3,201 citations | 331670 21 h-index | 161849 54 g-index |
| 60 all docs | 60 docs citations | 60 times ranked | 3667 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Anatomical and topographical variations in the distribution of brain metastases based on primary cancer origin and molecular subtypes: a systematic review. Neuro-Oncology Advances, 2022, 4, vdab170. | 0.7 | 7 |
| 2 | Automatic segmentation of highâ€risk clinical target volume for tandemâ€andâ€ovoids brachytherapy patients using an asymmetric dualâ€path convolutional neural network. Medical Physics, 2022, 49, 1712-1722. | 3.0 | 8 |
| 3 | Automatic differentiation of Grade I and II meningiomas on magnetic resonance image using an asymmetric convolutional neural network. Scientific Reports, 2022, 12, 3806. | 3.3 | 6 |
| 4 | Voxelwise Prediction of Recurrent High-Grade Glioma via Proximity Estimationâ€“Coupled Multidimensional Support Vector Machine. International Journal of Radiation Oncology Biology Physics, 2022, 112, 1279-1287. | 0.8 | 2 |
| 5 | Single projection driven real-time multi-contrast (SPIDERM) MR imaging using pre-learned spatial subspace and linear transformation. Physics in Medicine and Biology, 2022, 67, 135008. | 3.0 | 4 |
| 6 | Quantitative Characterization of Tumor Proximity to Stem Cell Niches: Implications on Recurrence and Survival in GBM Patients. International Journal of Radiation Oncology Biology Physics, 2021, 110, 1180-1188. | 0.8 | 2 |
| 7 | Commensal bacteria and fungi differentially regulate tumor responses to radiation therapy. Cancer Cell, 2021, 39, 1202-1213.e6. | 16.8 | 124 |
| 8 | Automatic detection and segmentation of multiple brain metastases on magnetic resonance image using asymmetric UNet architecture. Physics in Medicine and Biology, 2021, 66, 015003. | 3.0 | 34 |
| 9 | Bladder surface dose modeling in prostate cancer radiotherapy: An analysis of motionâ€induced variations and the cumulative dose across the treatment. Medical Physics, 2021, 48, 8024-8036. | 3.0 | 2 |
| 10 | Fully automated multiorgan segmentation in abdominal magnetic resonance imaging with deep neural networks. Medical Physics, 2020, 47, 4971-4982. | 3.0 | 54 |
| 11 | Quantifying vascular invasion in pancreatic cancerâ€”a contrast CT based method for surgical resectability evaluation. Physics in Medicine and Biology, 2020, 65, 105012. | 3.0 | 3 |
| 12 | Sixâ€dimensional quantitative DCE MR Multitasking of the entire abdomen: Method and application to pancreatic ductal adenocarcinoma. Magnetic Resonance in Medicine, 2020, 84, 928-948. | 3.0 | 16 |
| 13 | Deformable alignment of longitudinal postoperative brain GBM scans using deep learning. , 2020, , . | | 2 |
| 14 | Combined morphologic and metabolic pipeline for Positron emission tomography/computed tomography based radiotherapy response evaluation in locally advanced pancreatic adenocarcinoma. Physics and Imaging in Radiation Oncology, 2019, 9, 28-34. | 2.9 | 1 |
| 15 | A post-processing method based on interphase motion correction and averaging to improve image quality of 4D magnetic resonance imaging: a clinical feasibility study. British Journal of Radiology, 2019, 92, 20180424. | 2.2 | 2 |
| 16 | Discriminating lung adenocarcinoma from lung squamous cell carcinoma using respiration-induced tumor shape changes. Physics in Medicine and Biology, 2018, 63, 215027. | 3.0 | 2 |
| 17 | Novel 4D-MRI of tumor infiltrating vasculature: characterizing tumor and vessel volume motion for selective boost volume definition in pancreatic radiotherapy. Radiation Oncology, 2018, 13, 191. | 2.7 | 3 |
| 18 | A novel morphologic and metabolic feature fused treatment response evaluation pipeline for pancreatic adenocarcinoma patients.. Journal of Clinical Oncology, 2018, 36, 311-311. | 1.6 | 0 |

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|---|---|---|---|
| 19 | Combined chemoradiotherapy and PARP inhibition in pancreatic cancer to induce a synchronous inflammatory cytokine response.. Journal of Clinical Oncology, 2018, 36, 29-29. | 1.6 | 0 |
| 20 | Improved vesselâ€“tissue contrast and image quality in 3D radial samplingâ€based 4Dâ€<scp>MRI</scp>. Journal of Applied Clinical Medical Physics, 2017, 18, 250-257. | 1.9 | 10 |
| 21 | Fourâ€dimensional MRI using threeâ€dimensional radial sampling with respiratory selfâ€gating to characterize temporal phaseâ€resolved respiratory motion in the abdomen. Magnetic Resonance in Medicine, 2016, 75, 1574-1585. | 3.0 | 81 |
| 22 | Nonlocal Means Denoising of Self-Gated and k-Space Sorted 4-Dimensional Magnetic Resonance Imaging Using Block-Matching and 3-Dimensional Filtering: Implications for Pancreatic Tumor Registration and Segmentation. International Journal of Radiation Oncology Biology Physics, 2016, 95, 1058-1066. | 0.8 | 8 |
| 23 | Influence of Body Mass Index and Albumin on Perioperative Morbidity and Clinical Outcomes in Resected Pancreatic Adenocarcinoma. PLoS ONE, 2016, 11, e0152172. | 2.5 | 43 |
| 24 | Clinical experience using a videoâ€guided spirometry system for deep inhalation breathâ€hold radiotherapy of leftâ€sided breast cancer. Journal of Applied Clinical Medical Physics, 2015, 16, 251-260. | 1.9 | 12 |
| 25 | Dosimetric evaluation of simultaneous integrated boost during stereotactic body radiation therapy for pancreatic cancer. Medical Dosimetry, 2015, 40, 47-52. | 0.9 | 15 |
| 26 | Geometric validation of selfâ€gating kâ€spaceâ€sorted 4Dâ€MRI vs 4Dâ€CT using a respiratory motion phantom. Medical Physics, 2015, 42, 5787-5797. | 3.0 | 12 |
| 27 | Four-Dimensional Magnetic Resonance ImagingÂWith 3-Dimensional Radial Sampling and Self-Gatingâ€“Based K-Space Sorting: Early Clinical Experience on Pancreatic Cancer Patients. International Journal of Radiation Oncology Biology Physics, 2015, 93, 1136-1143. | 0.8 | 19 |
| 28 | Adequacy of inhale/exhale breathhold CT based ITV margins and image-guided registration for free-breathing pancreas and liver SBRT. Radiation Oncology, 2014, 9, 11. | 2.7 | 42 |
| 29 | Pretreatment [18F] FDG-PET texture analysis to predict local response of pancreatic cancer to radiotherapy.. Journal of Clinical Oncology, 2014, 32, 375-375. | 1.6 | 2 |
| 30 | 18F-FDG PET as a predictor of resectability and clinical outcomes in locally advanced pancreatic cancer patients treated with radiotherapy.. Journal of Clinical Oncology, 2014, 32, 378-378. | 1.6 | 1 |
| 31 | Computed Tomography-Based Anatomic Assessment Overestimates Local Tumor Recurrence in Patients With Mass-like Consolidation After Stereotactic Body Radiotherapy for Early-Stage Non-Small Cell Lung Cancer. International Journal of Radiation Oncology Biology Physics, 2012, 84, 1071-1077. | 0.8 | 70 |
| 32 | 3D Dose Verification Using Tomotherapy CT Detector Array. International Journal of Radiation Oncology Biology Physics, 2012, 82, 1013-1020. | 0.8 | 16 |
| 33 | Radiation therapy of post-mastectomy patients with positive nodes using fixed beam tomotherapy. Radiotherapy and Oncology, 2011, 100, 247-252. | 0.6 | 17 |
| 34 | Dosimetric Comparison of 6 MV and 15 MV Single Arc Rapidarc to Helical TomoTherapy for the Treatment of Pancreatic Cancer. Medical Dosimetry, 2011, 36, 317-320. | 0.9 | 7 |
| 35 | Standardized evaluation of simultaneous integrated boost plans on volumetric modulated arc therapy. Physics in Medicine and Biology, 2011, 56, 327-339. | 3.0 | 7 |
| 36 | Feasibility of Non-Coplanar Tomotherapy for Lung Cancer Stereotactic Body Radiation Therapy. Technology in Cancer Research and Treatment, 2011, 10, 307-315. | 1.9 | 11 |

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|---|---|---|---|
| 37 | Helical Tomotherapy-Based STAT Stereotactic Body Radiation Therapy: Dosimetric Evaluation for a Real-Time SBRT Treatment Planning and Delivery Program. Medical Dosimetry, 2010, 35, 312-319. | 0.9 | 12 |
| 38 | Chest Wall Volume Receiving >30 Gy Predicts Risk of Severe Pain and/or Rib Fracture After Lung Stereotactic Body Radiotherapy. International Journal of Radiation Oncology Biology Physics, 2010, 76, 796-801. | 0.8 | 261 |
| 39 | Tumor cell apoptosis induced by nanoparticle conjugate in combination with radiation therapy. Nanotechnology, 2010, 21, 475103. | 2.6 | 24 |
| 40 | Comparison of Elekta VMAT with helical tomotherapy and fixed field IMRT: Plan quality, delivery efficiency and accuracy. Medical Physics, 2010, 37, 1350-1359. | 3.0 | 201 |
| 41 | Tumor cell survival dependence on helical tomotherapy, continuous arc and segmented dose delivery. Physics in Medicine and Biology, 2009, 54, 6635-6643. | 3.0 | 8 |
| 42 | The implication of non-cyclic intrafractional longitudinal motion in SBRT by TomoTherapy. Physics in Medicine and Biology, 2009, 54, 2875-2884. | 3.0 | 9 |
| 43 | Spatial control in the heterogeneous nucleation of water. Applied Physics Letters, 2009, 95, . | 3.3 | 415 |
| 44 | TH-D-BRD-06: Tumor Cell Survival Dependence On the Dose Delivery Modalities and a Statistical Model to Bridge in Vitro Results and the Clinical Outcome. Medical Physics, 2009, 36, 2808-2808. | 3.0 | 2 |
| 45 | Semiconductor Nanoparticles as Energy Mediators for Photosensitizer-Enhanced Radiotherapy. International Journal of Radiation Oncology Biology Physics, 2008, 72, 633-635. | 0.8 | 53 |
| 46 | Novel FRET-Based Radiosensitization Using Quantum Dot-Photosensitizer Conjugates. Conference Record of the Asilomar Conference on Signals, Systems and Computers, 2007, , . | 0.0 | 1 |
| 47 | Direct electrical detection of antigenâ€“antibody binding on diamond and silicon substrates using electrical impedance spectroscopy. Analyst, The, 2007, 132, 296-306. | 3.5 | 59 |
| 48 | Covalent molecular functionalization of diamond thin-film transistors. Diamond and Related Materials, 2007, 16, 1608-1615. | 3.9 | 18 |
| 49 | Molecular and biomolecular monolayers on diamond as an interface to biology. Diamond and Related Materials, 2005, 14, 661-668. | 3.9 | 92 |
| 50 | Electrically Addressable Biomolecular Functionalization of Conductive Nanocrystalline Diamond Thin Films. Chemistry of Materials, 2005, 17, 938-940. | 6.7 | 77 |
| 51 | Electrical Properties of Diamond Surfaces Functionalized with Molecular Monolayersâ€. Journal of Physical Chemistry B, 2005, 109, 8523-8532. | 2.6 | 62 |
| 52 | Fabrication and characterization of a biologically sensitive field-effect transistor using a nanocrystalline diamond thin film. Applied Physics Letters, 2004, 85, 3626-3628. | 3.3 | 89 |
| 53 | Invasive cleavage reactions on DNA-modified diamond surfaces. Biopolymers, 2004, 73, 606-613. | 2.4 | 52 |
| 54 | Interfacial Electrical Properties of DNA-Modified Diamond Thin Films:Â Intrinsic Response and Hybridization-Induced Field Effects. Langmuir, 2004, 20, 6778-6787. | 3.5 | 143 |

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|---|---|---|---|
| 55 | Electrically Addressable Biomolecular Functionalization of Carbon Nanotube and Carbon Nanofiber Electrodes. Nano Letters, 2004, 4, 1713-1716. | 9.1 | 150 |
| 56 | Preparation and Electrochemical Characterization of DNA-modified Nanocrystalline Diamond Films. Materials Research Society Symposia Proceedings, 2002, 737, 569. | 0.1 | 1 |
| 57 | DNA-modified nanocrystalline diamond thin-films as stable, biologically active substrates. Nature Materials, 2002, 1, 253-257. | 27.5 | 802 |
| 58 | STAT RAD: A Potential Real-Time Radiation Therapy Workflow. , 0, , . | | 5 |