# Zdenka Kuncic

List of Publications by Year
in descending order



| 140 | 3,049 | 172457 | 214800 |
|---|---|---|---|
| papers | citations | 29 h-index | 47 g-index |

| 141 | 141 | 141 | 3765 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Nanoparticle radio-enhancement: principles, progress and application to cancer treatment. Physics in Medicine and Biology, 2018, 63, 02TR01. | 3.0 | 163 |
| 2 | Advances in kilovoltage x-ray beam dosimetry. Physics in Medicine and Biology, 2014, 59, R183-R231. | 3.0 | 133 |
| 3 | Roadmap for metal nanoparticles in radiation therapy: current status, translational challenges, and future directions. Physics in Medicine and Biology, 2020, 65, 21RM02. | 3.0 | 101 |
| 4 | Kilovoltage Intrafraction Monitoring for Prostate Intensity Modulated Arc Therapy: First Clinical Results. International Journal of Radiation Oncology Biology Physics, 2012, 84, e655-e661. | 0.8 | 94 |
| 5 | Emergent dynamics of neuromorphic nanowire networks. Scientific Reports, 2019, 9, 14920. | 3.3 | 93 |
| 6 | Avalanches and edge-of-chaos learning in neuromorphic nanowire networks. Nature Communications, 2021, 12, 4008. | 12.8 | 91 |
| 7 | The water equivalence of solid phantoms for low energy photon beams. Medical Physics, 2010, 37, 4355-4363. | 3.0 | 87 |
| 8 | Investigation of radiological properties and water equivalency of PRESAGE<sup>Â®</sup> dosimeters. Medical Physics, 2011, 38, 2265-2274. | 3.0 | 79 |
| 9 | Type II Solar Radio Bursts: Theory and Space Weather Implications. Space Science Reviews, 2003, 107, 27-34. | 8.1 | 74 |
| 10 | Dynamics and Energetics of Turbulent, Magnetized Disk Accretion around Black Holes: A Firstâ€Principles Approach to Diskâ€Coronaâ€Outflow Coupling. Astrophysical Journal, 2004, 616, 669-687. | 4.5 | 64 |
| 11 | High-sensitivity in vivo contrast for ultra-low field magnetic resonance imaging using superparamagnetic iron oxide nanoparticles. Science Advances, 2020, 6, eabb0998. | 10.3 | 57 |
| 12 | Theoretically predicted properties of type II radio emission from an interplanetary foreshock. Journal of Geophysical Research, 2003, 108, . | 3.3 | 55 |
| 13 | On the Origin of Radio Core Emission in Radio-quiet Quasars. Astrophysical Journal, 2007, 668, L103-L106. | 4.5 | 53 |
| 14 | Nanoparticles in Cancer Imaging and Therapy. Journal of Nanomaterials, 2012, 2012, 1-7. | 2.7 | 51 |
| 15 | Dose enhancement effects to the nucleus and mitochondria from gold nanoparticles in the cytosol. Physics in Medicine and Biology, 2016, 61, 5993-6010. | 3.0 | 49 |
| 16 | A New Standard DNA Damage (SDD) Data Format. Radiation Research, 2018, 191, 76. | 1.5 | 49 |
| 17 | A study of surface dosimetry for breast cancer radiotherapy treatments using Gafchromic EBT2 film. Journal of Applied Clinical Medical Physics, 2012, 13, 83-97. | 1.9 | 48 |
| 18 | A data-driven, knowledge-based approach to biomarker discovery: application to circulating microRNA markers of colorectal cancer prognosis. Npj Systems Biology and Applications, 2018, 4, 20. | 3.0 | 47 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | X-ray polarization in relativistic jets. Monthly Notices of the Royal Astronomical Society, 2009, 395, 1507-1514. | 4.4 | 44 |
| 20 | A rigid motion correction method for helical computed tomography (CT). Physics in Medicine and Biology, 2015, 60, 2047-2073. | 3.0 | 41 |
| 21 | Topological Properties of Neuromorphic Nanowire Networks. Frontiers in Neuroscience, 2020, 14, 184. | 2.8 | 37 |
| 22 | Radio-enhancement by gold nanoparticles and their impact on water radiolysis for x-ray, proton and carbon-ion beams. Physics in Medicine and Biology, 2019, 64, 175005. | 3.0 | 36 |
| 23 | An investigation of backscatter factors for kilovoltage x-rays: a comparison between Monte Carlo simulations and Gafchromic EBT film measurements. Physics in Medicine and Biology, 2010, 55, 783-797. | 3.0 | 35 |
| 24 | A system for EPIDâ€based realâ€time treatment delivery verification during dynamic IMRT treatment. Medical Physics, 2013, 40, 091907. | 3.0 | 34 |
| 25 | Image quality in thoracic 4D cone-beam CT: A sensitivity analysis of respiratory signal, binning method, reconstruction algorithm, and projection angular spacing. Medical Physics, 2014, 41, 041912. | 3.0 | 34 |
| 26 | Dense, thin clouds and reprocessed radiation in the central regions of active galactic nuclei. Monthly Notices of the Royal Astronomical Society, 1997, 284, 717-730. | 4.4 | 33 |
| 27 | Rapid Intestinal Uptake and Targeted Delivery to the Liver Endothelium Using Orally Administered Silver Sulfide Quantum Dots. ACS Nano, 2020, 14, 1492-1507. | 14.6 | 32 |
| 28 | Water and tissue equivalence of a new PRESAGEÂ® formulation for 3D proton beam dosimetry: A Monte Carlo study. Medical Physics, 2012, 39, 7071-7079. | 3.0 | 31 |
| 29 | Jet-enhanced accretion growth of supermassive black holes. Monthly Notices of the Royal Astronomical Society, 2008, 386, 989-994. | 4.4 | 30 |
| 30 | Radiological characterization and water equivalency of genipin gel for x-ray and electron beam dosimetry. Physics in Medicine and Biology, 2011, 56, 4685-4699. | 3.0 | 30 |
| 31 | Information dynamics in neuromorphic nanowire networks. Scientific Reports, 2021, 11, 13047. | 3.3 | 30 |
| 32 | Radio and X-ray properties of relativistic beaming models for ultraluminous X-ray sources. Monthly Notices of the Royal Astronomical Society, 2006, 372, 630-638. | 4.4 | 28 |
| 33 | Dynamic Electrical Pathway Tuning in Neuromorphic Nanowire Networks. Advanced Functional Materials, 2020, 30, 2003679. | 14.9 | 28 |
| 34 | Thermal material in relativistic jets. Monthly Notices of the Royal Astronomical Society, 1998, 293, 288-298. | 4.4 | 27 |
| 35 | THEXMM-NEWTONLONG LOOK OF NGC 1365: LACK OF A HIGH/SOFT STATE IN ITS ULTRALUMINOUS X-RAY SOURCES. Astrophysical Journal, 2009, 695, 1614-1622. | 4.5 | 26 |
| 36 | Radio-enhancement effects by radiolabeled nanoparticles. Scientific Reports, 2019, 9, 14346. | 3.3 | 26 |

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| 37 | Markerless tumor tracking using short kilovoltage imaging arcs for lung image-guided radiotherapy. Physics in Medicine and Biology, 2015, 60, 9437-9454. | 3.0 | 25 |
| 38 | Predicted ionisation in mitochondria and observed acute changes in the mitochondrial transcriptome after gamma irradiation: A Monte Carlo simulation and quantitative PCR study. Mitochondrion, 2013, 13, 736-742. | 3.4 | 23 |
| 39 | Characterization of a novel EPID designed for simultaneous imaging and dose verification in radiotherapy. Medical Physics, 2013, 40, 091902. | 3.0 | 23 |
| 40 | Comparison of radiobiological parameters for 90Y radionuclide therapy (RNT) and external beam radiotherapy (EBRT) in vitro. EJNMMI Physics, 2018, 5, 18. | 2.7 | 23 |
| 41 | Modularity and multitasking in neuro-memristive reservoir networks. Neuromorphic Computing and Engineering, 2021, 1, 014003. | 5.9 | 23 |
| 42 | Molecular Dynamics Simulations of Insulin: Elucidating the Conformational Changes that Enable Its Binding. PLoS ONE, 2015, 10, e0144058. | 2.5 | 23 |
| 43 | Physical constraints on the sizes of dense clouds in the central magnetospheres of active galactic nuclei. Monthly Notices of the Royal Astronomical Society, 1996, 283, 1322-1330. | 4.4 | 22 |
| 44 | Accretion discs in blazars. Monthly Notices of the Royal Astronomical Society, 2009, 400, 1521-1526. | 4.4 | 22 |
| 45 | EPID dosimetry: Effect of different layers of materials on absorbed dose response. Medical Physics, 2009, 36, 5665-5674. | 3.0 | 22 |
| 46 | Plasma nanofabrication and nanomaterials safety. Journal Physics D: Applied Physics, 2011, 44, 174019. | 2.8 | 22 |
| 47 | Characterization of optical transport effects on EPID dosimetry using Geant4. Medical Physics, 2013, 40, 041708. | 3.0 | 22 |
| 48 | Unraveling the mechanistic complexity of Alzheimer's disease through systems biology. Alzheimer's and Dementia, 2016, 12, 708-718. | 0.8 | 22 |
| 49 | Towards a new standard model for black hole accretion. Astrophysics and Space Science, 2007, 311, 127-135. | 1.4 | 21 |
| 50 | Induced Compton Scattering in Gigahertz Peak Spectrum Radio Sources. Astrophysical Journal, 1998, 495, L35-L38. | 4.5 | 21 |
| 51 | Submillimeter Observations of a Sample of Broad Absorption Line Quasars. Astrophysical Journal, 2003, 596, L35-L38. | 4.5 | 20 |
| 52 | Reservoir Computing with Neuromemristive Nanowire Networks. , 2020, , . | | 20 |
| 53 | Polarisation-based coincidence event discrimination: anin silicostudy towards a feasible scheme for Compton-PET. Physics in Medicine and Biology, 2016, 61, 5803-5817. | 3.0 | 19 |
| 54 | ORTI: An Open-Access Repository of Transcriptional Interactions for Interrogating Mammalian Gene Expression Data. PLoS ONE, 2016, 11, e0164535. | 2.5 | 19 |

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| 55 | Analytic model for the electrostatic potential jump across collisionless shocks, with application to Earth's bow shock. Journal of Geophysical Research, 2002, 107, SSH 11-1-SSH 11-10. | 3.3 | 18 |
| 56 | An evaluation of calculation parameters in the EGSnrc/BEAMnrc Monte Carlo codes and their effect on surface dose calculation. Physics in Medicine and Biology, 2012, 57, N267-N278. | 3.0 | 18 |
| 57 | Multiband study of NGCâ€ƒ7424 and its two newly discovered ultraluminous X-ray sources. Monthly Notices of the Royal Astronomical Society, 0, 370, 1666-1676. | 4.4 | 17 |
| 58 | Direct dose to water dosimetry for pretreatment IMRT verification using a modified EPID. Medical Physics, 2011, 38, 6257-6264. | 3.0 | 17 |
| 59 | Characterization of a Novel Diamond-Based Microdosimeter Prototype for Radioprotection Applications in Space Environments. IEEE Transactions on Nuclear Science, 2012, 59, 3110-3116. | 2.0 | 17 |
| 60 | Issues involved in the quantitative 3D imaging of proton doses using optical CT and chemical dosimeters. Physics in Medicine and Biology, 2015, 60, 709-726. | 3.0 | 17 |
| 61 | Neuromorphic nanowire networks: principles, progress and future prospects for neuro-inspired information processing. Advances in Physics: X, 2021, 6, . | 4.1 | 17 |
| 62 | The measurement of backscatter factors of kilovoltage X-ray beams using Gafchromicâ„¢ EBT2 film. Australasian Physical and Engineering Sciences in Medicine, 2011, 34, 261-266. | 1.3 | 16 |
| 63 | Nanoscale neuromorphic networks and criticality: a perspective. Journal of Physics Complexity, 2021, 2, 042001. | 2.2 | 16 |
| 64 | In SilicoNanodosimetry: New Insights into Nontargeted Biological Responses to Radiation. Computational and Mathematical Methods in Medicine, 2012, 2012, 1-9. | 1.3 | 15 |
| 65 | Practical considerations for reporting surface dose in external beam radiotherapy: a 6ÂMV X-ray beam study. Australasian Physical and Engineering Sciences in Medicine, 2012, 35, 271-282. | 1.3 | 15 |
| 66 | A Quantitative model for terrestrial foreshock radio emissions: 1. Predicted properties. Journal of Geophysical Research, 2004, 109, . | 3.3 | 14 |
| 67 | Estimation of effective imaging dose for kilovoltage intratreatment monitoring of the prostate position during cancer radiotherapy. Physics in Medicine and Biology, 2013, 58, 5983-5996. | 3.0 | 14 |
| 68 | A generalised enzyme kinetic model for predicting the behaviour of complex biochemical systems. FEBS Open Bio, 2015, 5, 226-239. | 2.3 | 14 |
| 69 | Correction for human head motion in helical x-ray CT. Physics in Medicine and Biology, 2016, 61, 1416-1438. | 3.0 | 14 |
| 70 | Unraveling Kinase Activation Dynamics Using Kinase-Substrate Relationships from Temporal Large-Scale Phosphoproteomics Studies. PLoS ONE, 2016, 11, e0157763. | 2.5 | 14 |
| 71 | Broad Absorption Line Quasars and the Radioâ€Loud/Radioâ€Quiet Dichotomy. Publications of the Astronomical Society of the Pacific, 1999, 111, 954-963. | 3.1 | 13 |
| 72 | Ionization Cone in the X-Ray Binary LMC X-1. Astrophysical Journal, 2008, 687, L29-L32. | 4.5 | 13 |

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| 73 | The feasibility of head motion tracking in helical CT: A step toward motion correction. Medical Physics, 2013, 40, 041903. | 3.0 | 13 |
| 74 | Technical Note: The first live treatment on a 1.0 Tesla inline <scp>MRI</scp>â€linac. Medical Physics, 2019, 46, 3254-3258. | 3.0 | 13 |
| 75 | TOWARDS A NEW STANDARD THEORY FOR ASTROPHYSICAL DISK ACCRETION. Modern Physics Letters A, 2007, 22, 1685-1700. | 1.2 | 12 |
| 76 | Spectacular Trailing Streamers near LMC X-1: The First Evidence of a Jet?. Astrophysical Journal, 2007, 667, L163-L166. | 4.5 | 12 |
| 77 | X-ray polarization signatures of Compton scattering in magnetic cataclysmic variables. Monthly Notices of the Royal Astronomical Society, 2008, 386, 2167-2172. | 4.4 | 12 |
| 78 | Stochastic simulation of radium-223 dichloride therapy at the sub-cellular level. Physics in Medicine and Biology, 2015, 60, 6087-6096. | 3.0 | 12 |
| 79 | Quantum Dot Nanomedicine Formulations Dramatically Improve Pharmacological Properties and Alter Uptake Pathways of Metformin and Nicotinamide Mononucleotide in Aging Mice. ACS Nano, 2021, 15, 4710-4727. | 14.6 | 12 |
| 80 | Study of dosimetric water equivalency of PRESAGE<sup>Â®</sup>for megavoltage and kilovoltage x-ray beams. Journal of Physics: Conference Series, 2010, 250, 012053. | 0.4 | 11 |
| 81 | Radio and X-ray emission from disc winds in radio-quiet quasars. Monthly Notices of the Royal Astronomical Society, 2011, 413, 1735-1743. | 4.4 | 11 |
| 82 | Impact of fluorescence emission from gold atoms on surrounding biological tissueâ€"implications for nanoparticle radio-enhancement. Physics in Medicine and Biology, 2017, 62, 3097-3110. | 3.0 | 11 |
| 83 | Water equivalence of NIPAM based polymer gel dosimeters with enhanced sensitivity for x-ray CT. Radiation Physics and Chemistry, 2013, 91, 60-69. | 2.8 | 10 |
| 84 | The cytoplasm as a radiation target: an in silico study of microbeam cell irradiation. Physics in Medicine and Biology, 2015, 60, 2325-2337. | 3.0 | 10 |
| 85 | IMPACT OF NANOPARTICLE CLUSTERING ON DOSE RADIO-ENHANCEMENT. Radiation Protection Dosimetry, 2019, 183, 50-54. | 0.8 | 10 |
| 86 | A Radio-Nano-Platform for T1/T2 Dual-Mode PET-MR Imaging . International Journal of Nanomedicine, 2020, Volume 15, 1253-1266. | 6.7 | 10 |
| 87 | Magnetic Fields in Accretion Disks. Publications of the Astronomical Society of Australia, 1999, 16, 225-233. | 3.4 | 9 |
| 88 | Planetary foreshock radio emissions. Journal of Geophysical Research, 2005, 110, . | 3.3 | 9 |
| 89 | Terrestrial foreshock Langmuir waves: STEREO observations, theoretical modeling, and quasiâ€linear simulations. Journal of Geophysical Research, 2009, 114, . | 3.3 | 9 |
| 90 | Water equivalency evaluation of PRESAGE<sup>Â®</sup>dosimeters for dosimetry of Cs-137 and Ir-192 brachytherapy sources. Journal of Physics: Conference Series, 2010, 250, 012093. | 0.4 | 9 |

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| 91 | Polarization enhanced X-ray imaging for biomedicine. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 648, S208-S210. | 1.6 | 9 |
| 92 | Improving thoracic four-dimensional cone-beam CT reconstruction with anatomical-adaptive image regularization (AAIR). Physics in Medicine and Biology, 2015, 60, 841-868. | 3.0 | 9 |
| 93 | The transcriptional response to oxidative stress is part of, but not sufficient for, insulin resistance in adipocytes. Scientific Reports, 2018, 8, 1774. | 3.3 | 9 |
| 94 | Emergent brain-like complexity from nanowire atomic switch networks: Towards neuromorphic synthetic intelligence. , 2018, , . | | 9 |
| 95 | <p>A Chelate-Free Nano-Platform for Incorporation of Diagnostic and Therapeutic Isotopes</p>. International Journal of Nanomedicine, 2020, Volume 15, 31-47. | 6.7 | 9 |
| 96 | Harnessing adaptive dynamics in neuro-memristive nanowire networks for transfer learning. , 2020, , . | | 9 |
| 97 | Neuromorphic Information Processing with Nanowire Networks. , 2020, , . | | 9 |
| 98 | Cancer nanomedicine: challenges and opportunities. Medical Journal of Australia, 2015, 203, 204-205. | 1.7 | 8 |
| 99 | Toward Personalized Dosimetry with 32 P Microparticle Therapy for Advanced Pancreatic Cancer. International Journal of Radiation Oncology Biology Physics, 2017, 99, 1029-1038. | 0.8 | 8 |
| 100 | Opportunities and Challenges for Nanotherapeutics for the Aging Population. Frontiers in Nanotechnology, 2022, 4, . | 4.8 | 8 |
| 101 | Jet-driven disk accretion in low luminosity AGN?. Astrophysics and Space Science, 2007, 310, 327-332. | 1.4 | 7 |
| 102 | Elucidating the Activation Mechanism of the Insulin-Family Proteins with Molecular Dynamics Simulations. PLoS ONE, 2016, 11, e0161459. | 2.5 | 7 |
| 103 | In silico investigation of factors affecting the MV imaging performance of a novel water-equivalent EPID. Physica Medica, 2016, 32, 1819-1826. | 0.7 | 7 |
| 104 | MNIST classification using Neuromorphic Nanowire Networks. , 2021, , . | | 7 |
| 105 | Study of Multi-Pixel Scintillator Detector Configurations for Measuring Polarized Gamma Radiation. Condensed Matter, 2021, 6, 43. | 1.8 | 7 |
| 106 | Effects of overshoots on electron distributions upstream and downstream of quasi-perpendicular collisionless shocks. Journal of Geophysical Research, 2007, 112, n/a-n/a. | 3.3 | 6 |
| 107 | Compton scattering of Fe KÎ± lines in magnetic cataclysmic variables. Monthly Notices of the Royal Astronomical Society, 0, 383, 962-970. | 4.4 | 6 |
| 108 | Optimisation of the imaging and dosimetric characteristics of an electronic portal imaging device employing plastic scintillating fibres using Monte Carlo simulations. Physics in Medicine and Biology, 2014, 59, 6827-6840. | 3.0 | 6 |

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| 109 | Advances in Computational Radiation Biophysics for Cancer Therapy: Simulating Nano-Scale Damage by Low-Energy Electrons. Biophysical Reviews and Letters, 2015, 10, 25-36. | 0.8 | 6 |
| 110 | Constraints on Jetâ€driven Disk Accretion in Sagittarius A*. Astrophysical Journal, 2008, 676, 351-360. | 4.5 | 6 |
| 111 | Propagation and absorption of cyclotron maser radiation in solar microwave spike bursts. Solar Physics, 1993, 145, 317-338. | 2.5 | 5 |
| 112 | Radio emission from mini-magnetospheres on the Moon. Geophysical Research Letters, 2004, 31, n/a-n/a. | 4.0 | 5 |
| 113 | A high DQE waterâ€equivalent EPID employing an array of plasticâ€scintillating fibers for simultaneous imaging and dosimetry in radiotherapy. Medical Physics, 2018, 45, 2154-2168. | 3.0 | 5 |
| 114 | Compton Scattering of Fe KÎ± Lines from Accreting White Dwarfs. Publications of the Astronomical Society of Australia, 2005, 22, 56-61. | 3.4 | 4 |
| 115 | An evaluation of Genipin gel as a water equivalent dosimeter for megavoltage electron beams and kilovoltage x-ray beams. Journal of Physics: Conference Series, 2010, 250, 012036. | 0.4 | 4 |
| 116 | Water equivalence evaluation of PRESAGEÂ® formulations for megavoltage electron beams: a Monte Carlo study. Australasian Physical and Engineering Sciences in Medicine, 2012, 35, 455-463. | 1.3 | 4 |
| 117 | Computational study of the activity, dynamics, energetics and conformations of insulin analogues using molecular dynamics simulations: Application to hyperinsulinemia and the critical residue B26. Biochemistry and Biophysics Reports, 2017, 11, 182-190. | 1.3 | 4 |
| 118 | Radio Emission from Ultrashort-Period Double Degenerate Binaries. Publications of the Astronomical Society of Australia, 2004, 21, 248-251. | 3.4 | 3 |
| 119 | Black hole mass estimates from soft X-ray spectra. Advances in Space Research, 2008, 42, 517-522. | 2.6 | 3 |
| 120 | New global 3D MHD simulations of black hole disk accretion and outflows. Proceedings of the International Astronomical Union, 2008, 4, 129-130. | 0.0 | 3 |
| 121 | Positron emission tomography coincidence detection with photon polarization correlation. Proceedings of SPIE, 2013, , . | 0.8 | 3 |
| 122 | Optimization of detector modules for measuring gamma-ray polarization in Positron Emission Tomography. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2022, 1040, 167186. | 1.6 | 3 |
| 123 | Enhanced MHD Transport in Astrophysical Accretion Flows: Turbulence, Winds and Jets. Plasma and Fusion Research, 2009, 4, 017-017. | 0.7 | 2 |
| 124 | Simulation of real-time EPID images during IMRT using Monte-Carlo. Physica Medica, 2014, 30, 326-330. | 0.7 | 2 |
| 125 | Positron annihilation localization by nanoscale magnetization. Scientific Reports, 2020, 10, 20262. | 3.3 | 2 |
| 126 | Investigation of Micron-Scale Radiotherapy Dose Deposition in the Lung: Effect of Magnetic Field and Nanoparticlesâ€"a Monte Carlo Simulation. Frontiers in Physics, 2022, 10, . | 2.1 | 2 |

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| 127 | Particle detection and tracking with DNA. European Physical Journal C, 2022, 82, 1. | 3.9 | 2 |
| 128 | Black Holes in Galactic Nuclei, X-Ray Binaries and Ultraluminous X-Ray Sources. Publications of the Astronomical Society of Australia, 2005, 22, 195-198. | 3.4 | 1 |
| 129 | Ultra-luminous X-ray sources: X-ray binaries in a high/hard state?. Proceedings of the International Astronomical Union, 2006, 2, 247-250. | 0.0 | 1 |
| 130 | A method of motion tracking during CT for motion correction. , 2011, , . | | 1 |
| 131 | Towards a next-generation plastic scintillating fiber array with improved sensitivity for radiotherapy imaging and dosimetry. , 2018, , . | | 1 |
| 132 | Clustering effects in nanoparticle-enhanced Î²â^' emitting internal radionuclide therapy: a Monte Carlo study. Physics in Medicine and Biology, 2020, 65, 125007. | 3.0 | 1 |
| 133 | Magnetic Fields on Different Scales in AGN. AIP Conference Proceedings, 2005, , . | 0.4 | 0 |
| 134 | Chilled disks in ultraluminous X-ray sources. Proceedings of the International Astronomical Union, 2006, 2, 453-454. | 0.0 | 0 |
| 135 | Black hole masses and accretion states in ULXs. AIP Conference Proceedings, 2008, , . | 0.4 | 0 |
| 136 | Evaluating radiation damage to scintillating plastic fibers with Monte Carlo simulations. Proceedings of SPIE, 2013, , . | 0.8 | 0 |
| 137 | Advances in Computational Radiation Biophysics for Cancer Therapy: Simulating Nano-Scale Damage by Low-Energy Electrons. , 2016, , 43-54. | | 0 |
| 138 | A novel water-equivalent electronic portal imaging device for radiotherapy with improved detective quantum efficiency: Proof of concept. , 2017, , . | | 0 |
| 139 | First Investigation of Gadolinium-Based Nanoparticles for Radiosensitization and Enhanced Imaging on the Australian MRI-linac. , 2018, , . | | 0 |
| 140 | Light output enhancement for a plastic scintillator using nanofibers. , 2017, , . | | 0 |