

Zdenka Kuncic

List of Publications by Year in descending order

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Version: 2024-02-01

140
papers

3,049
citations

172457

29
h-index

214800

47
g-index

141
all docs

141
docs citations

141
times ranked

3765
citing authors

#	ARTICLE	IF	CITATIONS
1	Opportunities and Challenges for Nanotherapeutics for the Aging Population. <i>Frontiers in Nanotechnology</i> , 2022, 4, .	4.8	8
2	Investigation of Micron-Scale Radiotherapy Dose Deposition in the Lung: Effect of Magnetic Field and Nanoparticlesâ€™a Monte Carlo Simulation. <i>Frontiers in Physics</i> , 2022, 10, .	2.1	2
3	Particle detection and tracking with DNA. <i>European Physical Journal C</i> , 2022, 82, 1.	3.9	2
4	Optimization of detector modules for measuring gamma-ray polarization in Positron Emission Tomography. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2022, 1040, 167186.	1.6	3
5	Neuromorphic nanowire networks: principles, progress and future prospects for neuro-inspired information processing. <i>Advances in Physics: X</i> , 2021, 6, .	4.1	17
6	Quantum Dot Nanomedicine Formulations Dramatically Improve Pharmacological Properties and Alter Uptake Pathways of Metformin and Nicotinamide Mononucleotide in Aging Mice. <i>ACS Nano</i> , 2021, 15, 4710-4727.	14.6	12
7	Avalanches and edge-of-chaos learning in neuromorphic nanowire networks. <i>Nature Communications</i> , 2021, 12, 4008.	12.8	91
8	Information dynamics in neuromorphic nanowire networks. <i>Scientific Reports</i> , 2021, 11, 13047.	3.3	30
9	Modularity and multitasking in neuro-memristive reservoir networks. <i>Neuromorphic Computing and Engineering</i> , 2021, 1, 014003.	5.9	23
10	MNIST classification using Neuromorphic Nanowire Networks. , 2021, , .		7
11	Nanoscale neuromorphic networks and criticality: a perspective. <i>Journal of Physics Complexity</i> , 2021, 2, 042001.	2.2	16
12	Study of Multi-Pixel Scintillator Detector Configurations for Measuring Polarized Gamma Radiation. <i>Condensed Matter</i> , 2021, 6, 43.	1.8	7
13	Reservoir Computing with Neuromemristive Nanowire Networks. , 2020, , .		20
14	High-sensitivity in vivo contrast for ultra-low field magnetic resonance imaging using superparamagnetic iron oxide nanoparticles. <i>Science Advances</i> , 2020, 6, eabb0998.	10.3	57
15	Dynamic Electrical Pathway Tuning in Neuromorphic Nanowire Networks. <i>Advanced Functional Materials</i> , 2020, 30, 2003679.	14.9	28
16	Positron annihilation localization by nanoscale magnetization. <i>Scientific Reports</i> , 2020, 10, 20262.	3.3	2
17	Roadmap for metal nanoparticles in radiation therapy: current status, translational challenges, and future directions. <i>Physics in Medicine and Biology</i> , 2020, 65, 21RM02.	3.0	101
18	Clustering effects in nanoparticle-enhanced β^+ emitting internal radionuclide therapy: a Monte Carlo study. <i>Physics in Medicine and Biology</i> , 2020, 65, 125007.	3.0	1

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19	Topological Properties of Neuromorphic Nanowire Networks. <i>Frontiers in Neuroscience</i> , 2020, 14, 184.	2.8	37
20	<p>A Radio-Nano-Platform for T1/T2 Dual-Mode PET-MR Imaging</p>. <i>International Journal of Nanomedicine</i> , 2020, Volume 15, 1253-1266.	6.7	10
21	Rapid Intestinal Uptake and Targeted Delivery to the Liver Endothelium Using Orally Administered Silver Sulfide Quantum Dots. <i>ACS Nano</i> , 2020, 14, 1492-1507.	14.6	32
22	<p>A Chelate-Free Nano-Platform for Incorporation of Diagnostic and Therapeutic Isotopes</p>. <i>International Journal of Nanomedicine</i> , 2020, Volume 15, 31-47.	6.7	9
23	Harnessing adaptive dynamics in neuro-memristive nanowire networks for transfer learning. , 2020, , .		9
24	Neuromorphic Information Processing with Nanowire Networks. , 2020, , .		9
25	Radio-enhancement by gold nanoparticles and their impact on water radiolysis for x-ray, proton and carbon-ion beams. <i>Physics in Medicine and Biology</i> , 2019, 64, 175005.	3.0	36
26	Emergent dynamics of neuromorphic nanowire networks. <i>Scientific Reports</i> , 2019, 9, 14920.	3.3	93
27	Radio-enhancement effects by radiolabeled nanoparticles. <i>Scientific Reports</i> , 2019, 9, 14346.	3.3	26
28	Technical Note: The first live treatment on a 1.0 Tesla inline <sc>MRI</sc>â€linac. <i>Medical Physics</i> , 2019, 46, 3254-3258.	3.0	13
29	IMPACT OF NANOPARTICLE CLUSTERING ON DOSE RADIO-ENHANCEMENT. <i>Radiation Protection Dosimetry</i> , 2019, 183, 50-54.	0.8	10
30	A high DQE waterâ€equivalent EPID employing an array of plasticâ€scintillating fibers for simultaneous imaging and dosimetry in radiotherapy. <i>Medical Physics</i> , 2018, 45, 2154-2168.	3.0	5
31	The transcriptional response to oxidative stress is part of, but not sufficient for, insulin resistance in adipocytes. <i>Scientific Reports</i> , 2018, 8, 1774.	3.3	9
32	Nanoparticle radio-enhancement: principles, progress and application to cancer treatment. <i>Physics in Medicine and Biology</i> , 2018, 63, 02TR01.	3.0	163
33	Emergent brain-like complexity from nanowire atomic switch networks: Towards neuromorphic synthetic intelligence. , 2018, , .		9
34	Comparison of radiobiological parameters for 90Y radionuclide therapy (RNT) and external beam radiotherapy (EBRT) in vitro. <i>EJNMMI Physics</i> , 2018, 5, 18.	2.7	23
35	A New Standard DNA Damage (SDD) Data Format. <i>Radiation Research</i> , 2018, 191, 76.	1.5	49
36	First Investigation of Gadolinium-Based Nanoparticles for Radiosensitization and Enhanced Imaging on the Australian MRI-linac. , 2018, , .		0

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37	Towards a next-generation plastic scintillating fiber array with improved sensitivity for radiotherapy imaging and dosimetry. , 2018, , .		1
38	A data-driven, knowledge-based approach to biomarker discovery: application to circulating microRNA markers of colorectal cancer prognosis. <i>Npj Systems Biology and Applications</i> , 2018, 4, 20.	3.0	47
39	Impact of fluorescence emission from gold atoms on surrounding biological tissueâ€™implications for nanoparticle radio-enhancement. <i>Physics in Medicine and Biology</i> , 2017, 62, 3097-3110.	3.0	11
40	Computational study of the activity, dynamics, energetics and conformations of insulin analogues using molecular dynamics simulations: Application to hyperinsulinemia and the critical residue B26. <i>Biochemistry and Biophysics Reports</i> , 2017, 11, 182-190.	1.3	4
41	Toward Personalized Dosimetry with ³² P Microparticle Therapy for Advanced Pancreatic Cancer. <i>International Journal of Radiation Oncology Biology Physics</i> , 2017, 99, 1029-1038.	0.8	8
42	A novel water-equivalent electronic portal imaging device for radiotherapy with improved detective quantum efficiency: Proof of concept. , 2017, , .		0
43	Light output enhancement for a plastic scintillator using nanofibers. , 2017, , .		0
44	Elucidating the Activation Mechanism of the Insulin-Family Proteins with Molecular Dynamics Simulations. <i>PLoS ONE</i> , 2016, 11, e0161459.	2.5	7
45	Correction for human head motion in helical x-ray CT. <i>Physics in Medicine and Biology</i> , 2016, 61, 1416-1438.	3.0	14
46	Polarisation-based coincidence event discrimination: an <i>in silico</i> study towards a feasible scheme for Compton-PET. <i>Physics in Medicine and Biology</i> , 2016, 61, 5803-5817.	3.0	19
47	Dose enhancement effects to the nucleus and mitochondria from gold nanoparticles in the cytosol. <i>Physics in Medicine and Biology</i> , 2016, 61, 5993-6010.	3.0	49
48	In silico investigation of factors affecting the MV imaging performance of a novel water-equivalent EPID. <i>Physica Medica</i> , 2016, 32, 1819-1826.	0.7	7
49	Advances in Computational Radiation Biophysics for Cancer Therapy: Simulating Nano-Scale Damage by Low-Energy Electrons. , 2016, , 43-54.		0
50	Unraveling the mechanistic complexity of Alzheimer's disease through systems biology. <i>Alzheimer's and Dementia</i> , 2016, 12, 708-718.	0.8	22
51	Unraveling Kinase Activation Dynamics Using Kinase-Substrate Relationships from Temporal Large-Scale Phosphoproteomics Studies. <i>PLoS ONE</i> , 2016, 11, e0157763.	2.5	14
52	ORTI: An Open-Access Repository of Transcriptional Interactions for Interrogating Mammalian Gene Expression Data. <i>PLoS ONE</i> , 2016, 11, e0164535.	2.5	19
53	Markerless tumor tracking using short kilovoltage imaging arcs for lung image-guided radiotherapy. <i>Physics in Medicine and Biology</i> , 2015, 60, 9437-9454.	3.0	25
54	Cancer nanomedicine: challenges and opportunities. <i>Medical Journal of Australia</i> , 2015, 203, 204-205.	1.7	8

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55	A rigid motion correction method for helical computed tomography (CT). <i>Physics in Medicine and Biology</i> , 2015, 60, 2047-2073.	3.0	41
56	Improving thoracic four-dimensional cone-beam CT reconstruction with anatomical-adaptive image regularization (AAIR). <i>Physics in Medicine and Biology</i> , 2015, 60, 841-868.	3.0	9
57	Advances in Computational Radiation Biophysics for Cancer Therapy: Simulating Nano-Scale Damage by Low-Energy Electrons. <i>Biophysical Reviews and Letters</i> , 2015, 10, 25-36.	0.8	6
58	A generalised enzyme kinetic model for predicting the behaviour of complex biochemical systems. <i>FEBS Open Bio</i> , 2015, 5, 226-239.	2.3	14
59	Issues involved in the quantitative 3D imaging of proton doses using optical CT and chemical dosimeters. <i>Physics in Medicine and Biology</i> , 2015, 60, 709-726.	3.0	17
60	The cytoplasm as a radiation target: an in silico study of microbeam cell irradiation. <i>Physics in Medicine and Biology</i> , 2015, 60, 2325-2337.	3.0	10
61	Stochastic simulation of radium-223 dichloride therapy at the sub-cellular level. <i>Physics in Medicine and Biology</i> , 2015, 60, 6087-6096.	3.0	12
62	Molecular Dynamics Simulations of Insulin: Elucidating the Conformational Changes that Enable Its Binding. <i>PLoS ONE</i> , 2015, 10, e0144058.	2.5	23
63	Image quality in thoracic 4D cone-beam CT: A sensitivity analysis of respiratory signal, binning method, reconstruction algorithm, and projection angular spacing. <i>Medical Physics</i> , 2014, 41, 041912.	3.0	34
64	Optimisation of the imaging and dosimetric characteristics of an electronic portal imaging device employing plastic scintillating fibres using Monte Carlo simulations. <i>Physics in Medicine and Biology</i> , 2014, 59, 6827-6840.	3.0	6
65	Advances in kilovoltage x-ray beam dosimetry. <i>Physics in Medicine and Biology</i> , 2014, 59, R183-R231.	3.0	133
66	Simulation of real-time EPID images during IMRT using Monte-Carlo. <i>Physica Medica</i> , 2014, 30, 326-330.	0.7	2
67	Water equivalence of NIPAM based polymer gel dosimeters with enhanced sensitivity for x-ray CT. <i>Radiation Physics and Chemistry</i> , 2013, 91, 60-69.	2.8	10
68	Predicted ionisation in mitochondria and observed acute changes in the mitochondrial transcriptome after gamma irradiation: A Monte Carlo simulation and quantitative PCR study. <i>Mitochondrion</i> , 2013, 13, 736-742.	3.4	23
69	The feasibility of head motion tracking in helical CT: A step toward motion correction. <i>Medical Physics</i> , 2013, 40, 041903.	3.0	13
70	Positron emission tomography coincidence detection with photon polarization correlation. <i>Proceedings of SPIE</i> , 2013, , .	0.8	3
71	Evaluating radiation damage to scintillating plastic fibers with Monte Carlo simulations. <i>Proceedings of SPIE</i> , 2013, , .	0.8	0
72	Estimation of effective imaging dose for kilovoltage intratreatment monitoring of the prostate position during cancer radiotherapy. <i>Physics in Medicine and Biology</i> , 2013, 58, 5983-5996.	3.0	14

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73	Characterization of a novel EPID designed for simultaneous imaging and dose verification in radiotherapy. <i>Medical Physics</i> , 2013, 40, 091902.	3.0	23
74	Characterization of optical transport effects on EPID dosimetry using Geant4. <i>Medical Physics</i> , 2013, 40, 041708.	3.0	22
75	A system for EPID-based real-time treatment delivery verification during dynamic IMRT treatment. <i>Medical Physics</i> , 2013, 40, 091907.	3.0	34
76	Nanoparticles in Cancer Imaging and Therapy. <i>Journal of Nanomaterials</i> , 2012, 2012, 1-7.	2.7	51
77	Characterization of a Novel Diamond-Based Microdosimeter Prototype for Radioprotection Applications in Space Environments. <i>IEEE Transactions on Nuclear Science</i> , 2012, 59, 3110-3116.	2.0	17
78	<i>In Silico</i> Nanodosimetry: New Insights into Nontargeted Biological Responses to Radiation. <i>Computational and Mathematical Methods in Medicine</i> , 2012, 2012, 1-9.	1.3	15
79	A study of surface dosimetry for breast cancer radiotherapy treatments using Gafchromic EBT2 film. <i>Journal of Applied Clinical Medical Physics</i> , 2012, 13, 83-97.	1.9	48
80	Kilovoltage Intrafraction Monitoring for Prostate Intensity Modulated Arc Therapy: First Clinical Results. <i>International Journal of Radiation Oncology Biology Physics</i> , 2012, 84, e655-e661.	0.8	94
81	Practical considerations for reporting surface dose in external beam radiotherapy: a 6 MV X-ray beam study. <i>Australasian Physical and Engineering Sciences in Medicine</i> , 2012, 35, 271-282.	1.3	15
82	An evaluation of calculation parameters in the EGSnrc/BEAMnrc Monte Carlo codes and their effect on surface dose calculation. <i>Physics in Medicine and Biology</i> , 2012, 57, N267-N278.	3.0	18
83	Water and tissue equivalence of a new PRESAGE® formulation for 3D proton beam dosimetry: A Monte Carlo study. <i>Medical Physics</i> , 2012, 39, 7071-7079.	3.0	31
84	Water equivalence evaluation of PRESAGE® formulations for megavoltage electron beams: a Monte Carlo study. <i>Australasian Physical and Engineering Sciences in Medicine</i> , 2012, 35, 455-463.	1.3	4
85	Radiological characterization and water equivalency of genipin gel for x-ray and electron beam dosimetry. <i>Physics in Medicine and Biology</i> , 2011, 56, 4685-4699.	3.0	30
86	Investigation of radiological properties and water equivalency of PRESAGE® dosimeters. <i>Medical Physics</i> , 2011, 38, 2265-2274.	3.0	79
87	A method of motion tracking during CT for motion correction. , 2011, , .		1
88	Direct dose to water dosimetry for pretreatment IMRT verification using a modified EPID. <i>Medical Physics</i> , 2011, 38, 6257-6264.	3.0	17
89	Radio and X-ray emission from disc winds in radio-quiet quasars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 413, 1735-1743.	4.4	11
90	Polarization enhanced X-ray imaging for biomedicine. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2011, 648, S208-S210.	1.6	9

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91	Plasma nanofabrication and nanomaterials safety. Journal Physics D: Applied Physics, 2011, 44, 174019.	2.8	22
92	The measurement of backscatter factors of kilovoltage X-ray beams using Gafchromic [®] EBT2 film. Australasian Physical and Engineering Sciences in Medicine, 2011, 34, 261-266.	1.3	16
93	Study of dosimetric water equivalency of PRESAGE [®] for megavoltage and kilovoltage x-ray beams. Journal of Physics: Conference Series, 2010, 250, 012053.	0.4	11
94	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
95	The water equivalence of solid phantoms for low energy photon beams. Medical Physics, 2010, 37, 4355-4363.	3.0	87
96	Water equivalency evaluation of PRESAGE [®] dosimeters for dosimetry of Cs-137 and Ir-192 brachytherapy sources. Journal of Physics: Conference Series, 2010, 250, 012093.	0.4	9
97	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
98	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
99	Enhanced MHD Transport in Astrophysical Accretion Flows: Turbulence, Winds and Jets. Plasma and Fusion Research, 2009, 4, 017-017.	0.7	2
100	X-ray polarization in relativistic jets. Monthly Notices of the Royal Astronomical Society, 2009, 395, 1507-1514.	4.4	44
101	Accretion discs in blazars. Monthly Notices of the Royal Astronomical Society, 2009, 400, 1521-1526.	4.4	22
102	Terrestrial foreshock Langmuir waves: STEREO observations, theoretical modeling, and quasi-linear simulations. Journal of Geophysical Research, 2009, 114, .	3.3	9
103	EPID dosimetry: Effect of different layers of materials on absorbed dose response. Medical Physics, 2009, 36, 5665-5674.	3.0	22
104	Black hole mass estimates from soft X-ray spectra. Advances in Space Research, 2008, 42, 517-522.	2.6	3
105	Jet-enhanced accretion growth of supermassive black holes. Monthly Notices of the Royal Astronomical Society, 2008, 386, 989-994.	4.4	30
106	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
107	Black hole masses and accretion states in ULXs. AIP Conference Proceedings, 2008, , .	0.4	0
108	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

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109	Ionization Cone in the X-Ray Binary LMC X-1. <i>Astrophysical Journal</i> , 2008, 687, L29-L32.	4.5	13
110	Constraints on Jet-driven Disk Accretion in Sagittarius A*. <i>Astrophysical Journal</i> , 2008, 676, 351-360.	4.5	6
111	TOWARDS A NEW STANDARD THEORY FOR ASTROPHYSICAL DISK ACCRETION. <i>Modern Physics Letters A</i> , 2007, 22, 1685-1700.	1.2	12
112	Spectacular Trailing Streamers near LMC X-1: The First Evidence of a Jet?. <i>Astrophysical Journal</i> , 2007, 667, L163-L166.	4.5	12
113	On the Origin of Radio Core Emission in Radio-quiet Quasars. <i>Astrophysical Journal</i> , 2007, 668, L103-L106.	4.5	53
114	Effects of overshoots on electron distributions upstream and downstream of quasi-perpendicular collisionless shocks. <i>Journal of Geophysical Research</i> , 2007, 112, n/a-n/a.	3.3	6
115	Towards a new standard model for black hole accretion. <i>Astrophysics and Space Science</i> , 2007, 311, 127-135.	1.4	21
116	Jet-driven disk accretion in low luminosity AGN?. <i>Astrophysics and Space Science</i> , 2007, 310, 327-332.	1.4	7
117	Ultra-luminous X-ray sources: X-ray binaries in a high/hard state?. <i>Proceedings of the International Astronomical Union</i> , 2006, 2, 247-250.	0.0	1
118	Chilled disks in ultraluminous X-ray sources. <i>Proceedings of the International Astronomical Union</i> , 2006, 2, 453-454.	0.0	0
119	Radio and X-ray properties of relativistic beaming models for ultraluminous X-ray sources. <i>Monthly Notices of the Royal Astronomical Society</i> , 2006, 372, 630-638.	4.4	28
120	Compton Scattering of Fe K \pm Lines from Accreting White Dwarfs. <i>Publications of the Astronomical Society of Australia</i> , 2005, 22, 56-61.	3.4	4
121	Black Holes in Galactic Nuclei, X-Ray Binaries and Ultraluminous X-Ray Sources. <i>Publications of the Astronomical Society of Australia</i> , 2005, 22, 195-198.	3.4	1
122	Magnetic Fields on Different Scales in AGN. <i>AIP Conference Proceedings</i> , 2005, , .	0.4	0
123	Planetary foreshock radio emissions. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	9
124	A Quantitative model for terrestrial foreshock radio emissions: 1. Predicted properties. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	14
125	Radio emission from mini-magnetospheres on the Moon. <i>Geophysical Research Letters</i> , 2004, 31, n/a-n/a.	4.0	5
126	Radio Emission from Ultrashort-Period Double Degenerate Binaries. <i>Publications of the Astronomical Society of Australia</i> , 2004, 21, 248-251.	3.4	3

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127	Dynamics and Energetics of Turbulent, Magnetized Disk Accretion around Black Holes: A Firstâ€Principles Approach to Diskâ€Coronaâ€Outflow Coupling. <i>Astrophysical Journal</i> , 2004, 616, 669-687.	4.5	64
128	Type II Solar Radio Bursts: Theory and Space Weather Implications. <i>Space Science Reviews</i> , 2003, 107, 27-34.	8.1	74
129	Theoretically predicted properties of type II radio emission from an interplanetary foreshock. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	55
130	Submillimeter Observations of a Sample of Broad Absorption Line Quasars. <i>Astrophysical Journal</i> , 2003, 596, L35-L38.	4.5	20
131	Analytic model for the electrostatic potential jump across collisionless shocks, with application to Earth's bow shock. <i>Journal of Geophysical Research</i> , 2002, 107, SSH 11-1-SSH 11-10.	3.3	18
132	Broad Absorption Line Quasars and the Radioâ€Loud/Radioâ€Quiet Dichotomy. <i>Publications of the Astronomical Society of the Pacific</i> , 1999, 111, 954-963.	3.1	13
133	Magnetic Fields in Accretion Disks. <i>Publications of the Astronomical Society of Australia</i> , 1999, 16, 225-233.	3.4	9
134	Thermal material in relativistic jets. <i>Monthly Notices of the Royal Astronomical Society</i> , 1998, 293, 288-298.	4.4	27
135	Induced Compton Scattering in Gigahertz Peak Spectrum Radio Sources. <i>Astrophysical Journal</i> , 1998, 495, L35-L38.	4.5	21
136	Dense, thin clouds and reprocessed radiation in the central regions of active galactic nuclei. <i>Monthly Notices of the Royal Astronomical Society</i> , 1997, 284, 717-730.	4.4	33
137	Physical constraints on the sizes of dense clouds in the central magnetospheres of active galactic nuclei. <i>Monthly Notices of the Royal Astronomical Society</i> , 1996, 283, 1322-1330.	4.4	22
138	Propagation and absorption of cyclotron maser radiation in solar microwave spike bursts. <i>Solar Physics</i> , 1993, 145, 317-338.	2.5	5
139	Multiband study of NGCâ€f7424 and its two newly discovered ultraluminous X-ray sources. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, 370, 1666-1676.	4.4	17
140	Compton scattering of Fe K \pm lines in magnetic cataclysmic variables. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, 383, 962-970.	4.4	6