

Ivan Veronese

List of Publications by Year in descending order

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81
papers

1,591
citations

331670

21
h-index

330143

37
g-index

81
all docs

81
docs citations

81
times ranked

1526
citing authors

#	ARTICLE	IF	CITATIONS
1	Review of retrospective dosimetry techniques for external ionising radiation exposures. Radiation Protection Dosimetry, 2011, 147, 573-592.	0.8	217
2	Uranium and thorium in soils, mineral sands, water and food samples in a tin mining area in Nigeria with elevated activity. Journal of Environmental Radioactivity, 2009, 100, 232-240.	1.7	89
3	Retrospective radiation dosimetry using OSL of electronic components: Results of an inter-laboratory comparison. Radiation Measurements, 2014, 71, 475-479.	1.4	70
4	Application of failure mode and effects analysis to treatment planning in scanned proton beam radiotherapy. Radiation Oncology, 2013, 8, 127.	2.7	67
5	Application of Failure Mode and Effects Analysis to Intraoperative Radiation Therapy Using Mobile Electron Linear Accelerators. International Journal of Radiation Oncology Biology Physics, 2012, 82, e305-e311.	0.8	64
6	Hadron Therapy, Magnetic Nanoparticles and Hyperthermia: A Promising Combined Tool for Pancreatic Cancer Treatment. Nanomaterials, 2020, 10, 1919.	4.1	55
7	Application of failure mode and effects analysis (FMEA) to pretreatment phases in tomotherapy. Journal of Applied Clinical Medical Physics, 2013, 14, 265-277.	1.9	54
8	Multi-institutional application of Failure Mode and Effects Analysis (FMEA) to CyberKnife Stereotactic Body Radiation Therapy (SBRT). Radiation Oncology, 2015, 10, 132.	2.7	49
9	Ce-doped optical fibre as radioluminescent dosimeter in radiotherapy. Radiation Measurements, 2008, 43, 888-892.	1.4	48
10	Integration of new biological and physical retrospective dosimetry methods into EU emergency response plans – joint RENEB and EURADOS inter-laboratory comparisons. International Journal of Radiation Biology, 2017, 93, 99-109.	1.8	48
11	Feasibility study for the use of cerium-doped silica fibres in proton therapy. Radiation Measurements, 2010, 45, 635-639.	1.4	38
12	Real-time dosimetry with Yb-doped silica optical fibres. Physics in Medicine and Biology, 2017, 62, 4218-4236.	3.0	37
13	Study of optical absorbance and MR relaxation of Fricke xylenol orange gel dosimeters. Radiation Measurements, 2017, 106, 622-627.	1.4	37
14	Characterization of radiochromic poly(vinyl-alcohol)-glutaraldehyde Fricke gels for dosimetry in external x-ray radiation therapy. Journal Physics D: Applied Physics, 2019, 52, 225601.	2.8	36
15	Role of the Technical Aspects of Hypofractionated Radiation Therapy Treatment of Prostate Cancer: A Review. International Journal of Radiation Oncology Biology Physics, 2015, 91, 182-195.	0.8	34
16	Infrared luminescence for real time ionizing radiation detection. Applied Physics Letters, 2014, 105, .	3.3	33
17	UNCERTAINTY ON RADIATION DOSES ESTIMATED BY BIOLOGICAL AND RETROSPECTIVE PHYSICAL METHODS. Radiation Protection Dosimetry, 2018, 178, 382-404.	0.8	33
18	Study of TSL and OSL properties of dental ceramics for accidental dosimetry applications. Radiation Measurements, 2010, 45, 35-41.	1.4	31

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19	Regional dependence of urinary uranium baseline levels in non-exposed subjects with particular reference to volunteers from Northern Italy. <i>Journal of Environmental Radioactivity</i> , 2003, 65, 357-364.	1.7	30
20	The trap parameters of electrons in intermediate energy levels in quartz. <i>Radiation Measurements</i> , 2004, 38, 743-746.	1.4	26
21	Does the gelation temperature or the sulfuric acid concentration influence the dosimetric properties of radiochromic PVA-GTA Xylenol Orange Fricke gels?. <i>Radiation Physics and Chemistry</i> , 2019, 160, 35-40.	2.8	22
22	Study of the effect of laponite on Fricke xylenol orange gel dosimeter by optical techniques. <i>Sensors and Actuators B: Chemical</i> , 2018, 272, 618-625.	7.8	21
23	Characterization of phenolic pellets for ESR dosimetry in photon beam radiotherapy. <i>Radiation and Environmental Biophysics</i> , 2017, 56, 471-480.	1.4	20
24	Role of Optical Fiber Drawing in Radioluminescence Hysteresis of Yb-Doped Silica. <i>Journal of Physical Chemistry C</i> , 2015, 119, 15572-15578.	3.1	19
25	Rates of intestinal absorption of molybdenum in humans. <i>Applied Radiation and Isotopes</i> , 2006, 64, 639-644.	1.5	18
26	The influence of the stem effect in Eu-doped silica optical fibres. <i>Radiation Measurements</i> , 2013, 56, 316-319.	1.4	17
27	Determination of dose rates from natural radionuclides in dental materials. <i>Journal of Environmental Radioactivity</i> , 2006, 91, 15-26.	1.7	16
28	Phosphorescence of SiO ₂ optical fibres doped with Ce ³⁺ ions. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2007, 4, 1024-1027.	0.8	16
29	Nonlinear compartmental model of ¹⁸ F-choline. <i>Nuclear Medicine and Biology</i> , 2012, 39, 261-268.	0.6	16
30	Temperature behavior of radiochromic poly(vinyl-alcohol)-glutaraldehyde Fricke gel dosimeters in practice. <i>Journal Physics D: Applied Physics</i> , 2020, 53, 365003.	2.8	15
31	A Review of Healthcare Failure Mode and Effects Analysis (HFMEA) in Radiotherapy. <i>Health Physics</i> , 2016, 111, 317-326.	0.5	14
32	Optical properties and radiation hardness of Pr-doped sol-gel silica: Influence of fiber drawing process. <i>Journal of Luminescence</i> , 2017, 192, 661-667.	3.1	14
33	Personalized Dosimetry in Targeted Radiation Therapy: A Look to Methods, Tools and Critical Aspects. <i>Journal of Personalized Medicine</i> , 2022, 12, 205.	2.5	14
34	Radioluminescence results from an Al ₂ O ₃ :C fiber prototype: 6 MV medical beam. <i>Sensors and Actuators A: Physical</i> , 2018, 274, 1-9.	4.1	13
35	Effect of ionizing radiation on the colorimetric properties of PVA-GTA Xylenol Orange Fricke gel dosimeters. <i>Dyes and Pigments</i> , 2021, 187, 109141.	3.7	13
36	Kinetics of systemic ruthenium in human blood using a stable tracer. <i>Journal of Radiological Protection</i> , 2001, 21, 31-38.	1.1	12

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37	Modelling urinary excretion of molybdenum after oral and intravenous administration of stable tracers. Radiation Protection Dosimetry, 2007, 127, 136-139.	0.8	11
38	Spatial distribution of beta extremity doses in nuclear medicine: A feasibility study with thin $\hat{\pm}$ -Al ₂ O ₃ :C TLDs. Physica Medica, 2010, 26, 44-48.	0.7	11
39	How Xylenol Orange and Ferrous Ammonium Sulphate Influence the Dosimetric Properties of PVA $\hat{\pm}$ GTA Fricke Gel Dosimeters: A Spectrophotometric Study. Gels, 2022, 8, 204.	4.5	11
40	A national survey on technology and quality assurance for stereotactic body radiation therapy. Physica Medica, 2019, 65, 6-14.	0.7	10
41	Neutron/ $\hat{\pm}$ ³ discrimination by an emission-based phoswich approach. Radiation Measurements, 2019, 129, 106203.	1.4	10
42	Ce-doped SiO ₂ optical fibers for remote radiation sensing and measurement. , 2009, , .		9
43	Photo-transferred thermoluminescence from deep traps in quartz. Radiation Measurements, 2011, 46, 588-590.	1.4	9
44	Concentrations of ⁹⁰ Sr in the tooth tissues 60 $\hat{\pm}$ years after intake: results of TL measurements and applications for Techa River dosimetry. Radiation and Environmental Biophysics, 2014, 53, 159-173.	1.4	9
45	Does electro-osmosis work in moisture damage prevention? Applicability of infrared-based methods to verify water distribution under electric fields. Journal of Cultural Heritage, 2018, 31, S38-S45.	3.3	9
46	Application of failure mode and effects analysis to optimization of linac quality controls protocol. Medical Physics, 2019, 46, 2541-2555.	3.0	9
47	A re-evaluation of the biokinetics of zirconium in humans. Applied Radiation and Isotopes, 2003, 58, 431-439.	1.5	8
48	Isothermal decay studies of intermediate energy levels in quartz. Radiation and Environmental Biophysics, 2004, 43, 51-57.	1.4	8
49	EPR and TL-based beta dosimetry measurements in various tooth components contaminated by ⁹⁰ Sr. Radiation Measurements, 2008, 43, 813-818.	1.4	8
50	Effect of Eu and Pb doping on the dosimetric properties of LiCAF. Radiation Measurements, 2010, 45, 556-558.	1.4	8
51	In Silico Validation of MCID Platform for Monte Carlo-Based Voxel Dosimetry Applied to ⁹⁰ Y-Radioembolization of Liver Malignancies. Applied Sciences (Switzerland), 2021, 11, 1939.	2.5	8
52	Stable tracer investigations in humans for assessing the biokinetics of ruthenium and zirconium radionuclides. Radiation Protection Dosimetry, 2003, 105, 209-212.	0.8	7
53	Angular dependence of the TL reading of thin $\hat{\pm}$ -Al ₂ O ₃ :C dosemeters exposed to different beta spectra. Radiation Protection Dosimetry, 2005, 113, 359-365.	0.8	7
54	Thermoluminescence dating of a mikveh in Ichenhausen, Germany. Journal of Environmental Radioactivity, 2008, 99, 621-630.	1.7	7

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55	Prospective approaches for risk analysis in modern radiotherapy: the Italian experience and the contribution of medical physicists. <i>Radioprotection</i> , 2014, 49, 43-47.	1.0	7
56	Evidence of Optically Stimulated Luminescence in $\text{Lu}^{3+}\text{Al}^{5+}\text{O}_{12}:\text{Ce}$. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2019, 216, 1900103.	1.8	7
57	Study of dose rate profile at sample disks in a Ris $\tilde{\text{A}}$ OSL single-grain attachment system. <i>Radiation Measurements</i> , 2007, 42, 138-143.	1.4	6
58	Analysis and comparison of the Core-to-Valence Luminescence mechanism in a large CLYC crystal under neutron and $\hat{\text{I}}^3$ -ray irradiation through optical filtering selection of the scintillation light. <i>Sensors and Actuators A: Physical</i> , 2021, 332, 113151.	4.1	6
59	Influence of the chemical form on the plasma clearance of ruthenium in humans. <i>Applied Radiation and Isotopes</i> , 2004, 60, 7-13.	1.5	5
60	Limits of thermoluminescence dosimetry using quartz extracted from recent building materials in urban settlements. <i>Journal of Environmental Radioactivity</i> , 2006, 86, 319-336.	1.7	5
61	The use of $\hat{\text{I}}^{\pm}\text{-Al}_2\text{O}_3:\text{C}$ in Ris $\tilde{\text{A}}$ OSL single grains attachment system for assessing the spatial dose rate distribution due to incorporation of ^{90}Sr in human teeth. <i>Radiation Protection Dosimetry</i> , 2006, 119, 408-412.	0.8	5
62	Correction method of measured images of absorbed dose for quenching effects due to relatively high LET. <i>Radiation Physics and Chemistry</i> , 2017, 140, 15-19.	2.8	5
63	EXTRAPOLATION TECHNIQUES EVALUATING 24 HOURS OF AVERAGE ELECTROMAGNETIC FIELD EMITTED BY RADIO BASE STATION INSTALLATIONS: SPECTRUM ANALYZER MEASUREMENTS OF LTE AND UMTS SIGNALS. <i>Radiation Protection Dosimetry</i> , 2017, 173, 43-48.	0.8	4
64	Magnetic stimulation of gold fiducial markers used in Image-Guided Radiation Therapy: Evidences of hyperthermia effects. <i>Measurement: Journal of the International Measurement Confederation</i> , 2020, 151, 107242.	5.0	4
65	Inventory and geochemical host phases of natural radionuclides in tin mining materials from Nigeria. <i>Applied Radiation and Isotopes</i> , 2009, 67, 926-930.	1.5	3
66	Studies of Fricke-PVA-GTA xylenol orange hydrogels for 3D measurements in radiotherapy dosimetry. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	3
67	FMECA Application in Tomotherapy: Comparison between Classic and Fuzzy Methodologies. <i>Environments - MDPI</i> , 2022, 9, 50.	3.3	3
68	Measurement techniques for tracer kinetic studies with stable isotopes of zirconium. <i>Radiation Protection Dosimetry</i> , 2007, 127, 266-269.	0.8	2
69	ON-FIELD EVALUATION OF OPERATOR LENS PROTECTIVE DEVICES IN INTERVENTIONAL RADIOLOGY. <i>Radiation Protection Dosimetry</i> , 2016, 171, ncv412.	0.8	2
70	Should the automatic exposure control system of CT be disabled when scanning patients with endoaortic stents or mechanical heart valves? A phantom study. <i>European Radiology</i> , 2017, 27, 2989-2994.	4.5	2
71	Optical reflectance apparatus for moisture content determination in porous media. <i>Microchemical Journal</i> , 2020, 154, 104627.	4.5	2
72	A technique for the determination of ruthenium stable isotopes in urine samples. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2007, 271, 497-501.	1.5	1

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73	Activation techniques for the determination of stable isotopes of cerium in blood plasma. Journal of Radioanalytical and Nuclear Chemistry, 2007, 271, 559-563.	1.5	1
74	Moxel: A molar tooth voxel model for dosimetric studies. Radiation Measurements, 2010, 45, 234-236.	1.4	1
75	Radioluminescence dosimetry by scintillating fiber optics: the open challenges. , 2013, , .		1
76	Scintillators and Semiconductor Detectors. , 2011, , 161-174.		1
77	Recent progresses in scintillating doped silica fiber optics. , 2014, , .		0
78	Ionizing radiation detection by Yb-doped silica optical fibers. , 2015, , .		0
79	Characterization of Yb-doped silica optical fiber as real-time dosimeter. , 2017, , .		0
80	Recent Advances in Scintillating Optical Fibre Dosimeters. , 2018, , 253-262.		0
81	Applications of Medical Physics. Applied Sciences (Switzerland), 2022, 12, 1852.	2.5	0