

# Ivan Veronese

## List of Publications by Year in descending order

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81  
papers

1,591  
citations

331259

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329751

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81  
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81  
docs citations

81  
times ranked

1526  
citing authors

#	ARTICLE	IF	CITATIONS
1	Personalized Dosimetry in Targeted Radiation Therapy: A Look to Methods, Tools and Critical Aspects. Journal of Personalized Medicine, 2022, 12, 205.	1.1	14
2	Applications of Medical Physics. Applied Sciences (Switzerland), 2022, 12, 1852.	1.3	0
3	How Xylenol Orange and Ferrous Ammonium Sulphate Influence the Dosimetric Properties of PVA-GTA Fricke Gel Dosimeters: A Spectrophotometric Study. Gels, 2022, 8, 204.	2.1	11
4	FMECA Application in Tomotherapy: Comparison between Classic and Fuzzy Methodologies. Environments - MDPI, 2022, 9, 50.	1.5	3
5	In Silico Validation of MCID Platform for Monte Carlo-Based Voxel Dosimetry Applied to 90Y-Radioembolization of Liver Malignancies. Applied Sciences (Switzerland), 2021, 11, 1939.	1.3	8
6	Effect of ionizing radiation on the colorimetric properties of PVA-GTA Xylenol Orange Fricke gel dosimeters. Dyes and Pigments, 2021, 187, 109141.	2.0	13
7	Analysis and comparison of the Core-to-Valence Luminescence mechanism in a large CLYC crystal under neutron and $\hat{I}^3$ -ray irradiation through optical filtering selection of the scintillation light. Sensors and Actuators A: Physical, 2021, 332, 113151.	2.0	6
8	Magnetic stimulation of gold fiducial markers used in Image-Guided Radiation Therapy: Evidences of hyperthermia effects. Measurement: Journal of the International Measurement Confederation, 2020, 151, 107242.	2.5	4
9	Temperature behavior of radiochromic poly(vinyl-alcohol)-glutaraldehyde Fricke gel dosimeters in practice. Journal Physics D: Applied Physics, 2020, 53, 365003.	1.3	15
10	Optical reflectance apparatus for moisture content determination in porous media. Microchemical Journal, 2020, 154, 104627.	2.3	2
11	Hadron Therapy, Magnetic Nanoparticles and Hyperthermia: A Promising Combined Tool for Pancreatic Cancer Treatment. Nanomaterials, 2020, 10, 1919.	1.9	55
12	Studies of Fricke-PVA-GTA xylenol orange hydrogels for 3D measurements in radiotherapy dosimetry. AIP Conference Proceedings, 2019, , .	0.3	3
13	A national survey on technology and quality assurance for stereotactic body radiation therapy. Physica Medica, 2019, 65, 6-14.	0.4	10
14	Does the gelation temperature or the sulfuric acid concentration influence the dosimetric properties of radiochromic PVA-GTA Xylenol Orange Fricke gels?. Radiation Physics and Chemistry, 2019, 160, 35-40.	1.4	22
15	Evidence of Optically Stimulated Luminescence in $\text{Lu}^{3+}/\text{Al}^{5+}/\text{O}^{12+}:\text{Ce}$ . Physica Status Solidi (A) Applications and Materials Science, 2019, 216, 1900103.	0.8	7
16	Application of failure mode and effects analysis to optimization of linac quality controls protocol. Medical Physics, 2019, 46, 2541-2555.	1.6	9
17	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.	1.3	36
18	Neutron/ $\hat{I}^3$ discrimination by an emission-based phoswich approach. Radiation Measurements, 2019, 129, 106203.	0.7	10

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19	UNCERTAINTY ON RADIATION DOSES ESTIMATED BY BIOLOGICAL AND RETROSPECTIVE PHYSICAL METHODS. Radiation Protection Dosimetry, 2018, 178, 382-404.	0.4	33
20	Radioluminescence results from an Al <sub>2</sub> O <sub>3</sub> :C fiber prototype: 6 MV medical beam. Sensors and Actuators A: Physical, 2018, 274, 1-9.	2.0	13
21	Study of the effect of laponite on Fricke xylene orange gel dosimeter by optical techniques. Sensors and Actuators B: Chemical, 2018, 272, 618-625.	4.0	21
22	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.	1.5	9
23	Recent Advances in Scintillating Optical Fibre Dosimeters. , 2018, , 253-262.		0
24	Real-time dosimetry with Yb-doped silica optical fibres. Physics in Medicine and Biology, 2017, 62, 4218-4236.	1.6	37
25	Correction method of measured images of absorbed dose for quenching effects due to relatively high LET. Radiation Physics and Chemistry, 2017, 140, 15-19.	1.4	5
26	EXTRAPOLATION TECHNIQUES EVALUATING 24 HOURS OF AVERAGE ELECTROMAGNETIC FIELD EMITTED BY RADIO BASE STATION INSTALLATIONS: SPECTRUM ANALYZER MEASUREMENTS OF LTE AND UMTS SIGNALS. Radiation Protection Dosimetry, 2017, 173, 43-48.	0.4	4
27	Study of optical absorbance and MR relaxation of Fricke xylene orange gel dosimeters. Radiation Measurements, 2017, 106, 622-627.	0.7	37
28	Characterization of phenolic pellets for ESR dosimetry in photon beam radiotherapy. Radiation and Environmental Biophysics, 2017, 56, 471-480.	0.6	20
29	Optical properties and radiation hardness of Pr-doped sol-gel silica: Influence of fiber drawing process. Journal of Luminescence, 2017, 192, 661-667.	1.5	14
30	Should the automatic exposure control system of CT be disabled when scanning patients with endoarteric stents or mechanical heart valves? A phantom study. European Radiology, 2017, 27, 2989-2994.	2.3	2
31	Integration of new biological and physical retrospective dosimetry methods into EU emergency response plans " joint RENE and EURADOS inter-laboratory comparisons. International Journal of Radiation Biology, 2017, 93, 99-109.	1.0	48
32	Characterization of Yb-doped silica optical fiber as real-time dosimeter. , 2017, , .		0
33	ON-FIELD EVALUATION OF OPERATOR LENS PROTECTIVE DEVICES IN INTERVENTIONAL RADIOLOGY. Radiation Protection Dosimetry, 2016, 171, ncv412.	0.4	2
34	A Review of Healthcare Failure Mode and Effects Analysis (HFMEA) in Radiotherapy. Health Physics, 2016, 111, 317-326.	0.3	14
35	Multi-institutional application of Failure Mode and Effects Analysis (FMEA) to CyberKnife Stereotactic Body Radiation Therapy (SBRT). Radiation Oncology, 2015, 10, 132.	1.2	49
36	Ionizing radiation detection by Yb-doped silica optical fibers. , 2015, , .		0

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37	Role of Optical Fiber Drawing in Radioluminescence Hysteresis of Yb-Doped Silica. Journal of Physical Chemistry C, 2015, 119, 15572-15578.	1.5	19
38	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.	0.4	34
39	Recent progresses in scintillating doped silica fiber optics. , 2014, , .		0
40	Concentrations of <sup>90</sup> Sr in the tooth tissues 60 years after intake: results of TL measurements and applications for Techa River dosimetry. Radiation and Environmental Biophysics, 2014, 53, 159-173.	0.6	9
41	Infrared luminescence for real time ionizing radiation detection. Applied Physics Letters, 2014, 105, .	1.5	33
42	Retrospective radiation dosimetry using OSL of electronic components: Results of an inter-laboratory comparison. Radiation Measurements, 2014, 71, 475-479.	0.7	70
43	Prospective approaches for risk analysis in modern radiotherapy: the Italian experience and the contribution of medical physicists. Radioprotection, 2014, 49, 43-47.	0.5	7
44	Application of failure mode and effects analysis to treatment planning in scanned proton beam radiotherapy. Radiation Oncology, 2013, 8, 127.	1.2	67
45	The influence of the stem effect in Eu-doped silica optical fibres. Radiation Measurements, 2013, 56, 316-319.	0.7	17
46	Radioluminescence dosimetry by scintillating fiber optics: the open challenges. , 2013, , .		1
47	Application of failure mode and effects analysis (FMEA) to pretreatment phases in tomotherapy. Journal of Applied Clinical Medical Physics, 2013, 14, 265-277.	0.8	54
48	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.	0.4	64
49	Nonlinear compartmental model of <sup>18</sup> F-choline. Nuclear Medicine and Biology, 2012, 39, 261-268.	0.3	16
50	Review of retrospective dosimetry techniques for external ionising radiation exposures. Radiation Protection Dosimetry, 2011, 147, 573-592.	0.4	217
51	Photo-transferred thermoluminescence from deep traps in quartz. Radiation Measurements, 2011, 46, 588-590.	0.7	9
52	Scintillators and Semiconductor Detectors. , 2011, , 161-174.		1
53	Spatial distribution of beta extremity doses in nuclear medicine: A feasibility study with thin <sup>64</sup> Al <sub>2</sub> O <sub>3</sub> :C TLDs. Physica Medica, 2010, 26, 44-48.	0.4	11
54	Effect of Eu and Pb doping on the dosimetric properties of LiCAF. Radiation Measurements, 2010, 45, 556-558.	0.7	8

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55	Feasibility study for the use of cerium-doped silica fibres in proton therapy. Radiation Measurements, 2010, 45, 635-639.	0.7	38
56	Study of TSL and OSL properties of dental ceramics for accidental dosimetry applications. Radiation Measurements, 2010, 45, 35-41.	0.7	31
57	Moxel: A molar tooth voxel model for dosimetric studies. Radiation Measurements, 2010, 45, 234-236.	0.7	1
58	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.	0.9	89
59	Inventory and geochemical host phases of natural radionuclides in tin mining materials from Nigeria. Applied Radiation and Isotopes, 2009, 67, 926-930.	0.7	3
60	Ce-doped SiO <sub>2</sub> optical fibers for remote radiation sensing and measurement. , 2009, , .		9
61	EPR and TL-based beta dosimetry measurements in various tooth components contaminated by <sup>90</sup> Sr. Radiation Measurements, 2008, 43, 813-818.	0.7	8
62	Ce-doped optical fibre as radioluminescent dosimeter in radiotherapy. Radiation Measurements, 2008, 43, 888-892.	0.7	48
63	Thermoluminescence dating of a milkveh in Ichenhausen, Germany. Journal of Environmental Radioactivity, 2008, 99, 621-630.	0.9	7
64	Measurement techniques for tracer kinetic studies with stable isotopes of zirconium. Radiation Protection Dosimetry, 2007, 127, 266-269.	0.4	2
65	Modelling urinary excretion of molybdenum after oral and intravenous administration of stable tracers. Radiation Protection Dosimetry, 2007, 127, 136-139.	0.4	11
66	Phosphorescence of SiO <sub>2</sub> optical fibres doped with Ce <sup>3+</sup> ions. Physica Status Solidi C: Current Topics in Solid State Physics, 2007, 4, 1024-1027.	0.8	16
67	A technique for the determination of ruthenium stable isotopes in urine samples. Journal of Radioanalytical and Nuclear Chemistry, 2007, 271, 497-501.	0.7	1
68	Activation techniques for the determination of stable isotopes of cerium in blood plasma. Journal of Radioanalytical and Nuclear Chemistry, 2007, 271, 559-563.	0.7	1
69	Study of dose rate profile at sample disks in a Ris <sup>Å</sup> , OSL single-grain attachment system. Radiation Measurements, 2007, 42, 138-143.	0.7	6
70	Rates of intestinal absorption of molybdenum in humans. Applied Radiation and Isotopes, 2006, 64, 639-644.	0.7	18
71	Limits of thermoluminescence dosimetry using quartz extracted from recent building materials in urban settlements. Journal of Environmental Radioactivity, 2006, 86, 319-336.	0.9	5
72	Determination of dose rates from natural radionuclides in dental materials. Journal of Environmental Radioactivity, 2006, 91, 15-26.	0.9	16

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73	The use of $\hat{\pm}$ -Al <sub>2</sub> O <sub>3</sub> :C in RIS $\tilde{\sim}$ OSL single grains attachment system for assessing the spatial dose rate distribution due to incorporation of <sup>90</sup> Sr in human teeth. Radiation Protection Dosimetry, 2006, 119, 408-412.	0.4	5
74	Angular dependence of the TL reading of thin $\hat{\pm}$ -Al <sub>2</sub> O <sub>3</sub> :C dosimeters exposed to different beta spectra. Radiation Protection Dosimetry, 2005, 113, 359-365.	0.4	7
75	Isothermal decay studies of intermediate energy levels in quartz. Radiation and Environmental Biophysics, 2004, 43, 51-57.	0.6	8
76	The trap parameters of electrons in intermediate energy levels in quartz. Radiation Measurements, 2004, 38, 743-746.	0.7	26
77	Influence of the chemical form on the plasma clearance of ruthenium in humans. Applied Radiation and Isotopes, 2004, 60, 7-13.	0.7	5
78	Regional dependence of urinary uranium baseline levels in non-exposed subjects with particular reference to volunteers from Northern Italy. Journal of Environmental Radioactivity, 2003, 65, 357-364.	0.9	30
79	A re-evaluation of the biokinetics of zirconium in humans. Applied Radiation and Isotopes, 2003, 58, 431-439.	0.7	8
80	Stable tracer investigations in humans for assessing the biokinetics of ruthenium and zirconium radionuclides. Radiation Protection Dosimetry, 2003, 105, 209-212.	0.4	7
81	Kinetics of systemic ruthenium in human blood using a stable tracer. Journal of Radiological Protection, 2001, 21, 31-38.	0.6	12