

Paola Fattibene

List of Publications by Year in descending order

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102
papers

2,604
citations

172386

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223716

46
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106
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106
docs citations

106
times ranked

1378
citing authors

#	ARTICLE	IF	CITATIONS
1	The SHAMISEN Project: Challenging historical recommendations for preparedness, response and surveillance of health and well-being in case of nuclear accidents: Lessons learnt from Chernobyl and Fukushima. <i>Environment International</i> , 2021, 146, 106200.	4.8	15
2	Lessons from past radiation accidents: Critical review of methods addressed to individual dose assessment of potentially exposed people and integration with medical assessment. <i>Environment International</i> , 2021, 146, 106175.	4.8	10
3	Mycobacterial and Human Ferrous Nitrobindins: Spectroscopic and Reactivity Properties. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1674.	1.8	10
4	Salty Crackers as Fortuitous Dosimeters: A Novel PSL Method for Rapid Radiation Triage. <i>Frontiers in Public Health</i> , 2021, 9, 661376.	1.3	2
5	Oxygen-mediated oxidation of ferrous nitrosylated nitrobindins. <i>Journal of Inorganic Biochemistry</i> , 2021, 224, 111579.	1.5	10
6	Eurados review of retrospective dosimetry techniques for internal exposures to ionising radiation and their applications. <i>Radiation and Environmental Biophysics</i> , 2020, 59, 357-387.	0.6	23
7	APPLICATION OF EPR TOOTH DOSIMETRY FOR VALIDATION OF THE CALCULATED EXTERNAL DOSES: EXPERIENCE IN DOSIMETRY FOR THE TECHA RIVER COHORT. <i>Radiation Protection Dosimetry</i> , 2019, 186, 70-77.	0.4	2
8	EURADOS education and training activities. <i>Journal of Radiological Protection</i> , 2019, 39, R37-R50.	0.6	3
9	DETECTION OF IONIZING RADIATION TREATMENT IN GLASS USED FOR HEALTHCARE PRODUCTS. <i>Radiation Protection Dosimetry</i> , 2019, 186, 78-82.	0.4	5
10	Design and Realization of an Open EPR Resonator at γ -Band Frequencies. <i>IEEE Transactions on Magnetics</i> , 2019, 55, 1-10.	1.2	3
11	UNCERTAINTY ON RADIATION DOSES ESTIMATED BY BIOLOGICAL AND RETROSPECTIVE PHYSICAL METHODS. <i>Radiation Protection Dosimetry</i> , 2018, 178, 382-404.	0.4	33
12	Protein oxidative damage and redox imbalance induced by ionising radiation in CHO cells. <i>Free Radical Research</i> , 2018, 52, 465-479.	1.5	4
13	RENEB – Running the European Network of biological dosimetry and physical retrospective dosimetry. <i>International Journal of Radiation Biology</i> , 2017, 93, 2-14.	1.0	52
14	Overview of physical dosimetry methods for triage application integrated in the new European network RENEB. <i>International Journal of Radiation Biology</i> , 2017, 93, 65-74.	1.0	30
15	Capabilities of the RENEB network for research and large scale radiological and nuclear emergency situations. <i>International Journal of Radiation Biology</i> , 2017, 93, 136-141.	1.0	11
16	Uncertainty of fast biological radiation dose assessment for emergency response scenarios. <i>International Journal of Radiation Biology</i> , 2017, 93, 127-135.	1.0	20
17	RENEB accident simulation exercise. <i>International Journal of Radiation Biology</i> , 2017, 93, 75-80.	1.0	10
18	Integration of new biological and physical retrospective dosimetry methods into EU emergency response plans – joint RENEB and EURADOS inter-laboratory comparisons. <i>International Journal of Radiation Biology</i> , 2017, 93, 99-109.	1.0	48

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19	The harmonization process to set up and maintain an operational biological and physical retrospective dosimetry network: QA QM applied to the RENEB network. <i>International Journal of Radiation Biology</i> , 2017, 93, 81-86.	1.0	12
20	EURADOS STRATEGIC RESEARCH AGENDA: VISION FOR DOSIMETRY OF IONISING RADIATION. <i>Radiation Protection Dosimetry</i> , 2016, 168, ncv018.	0.4	16
21	External dose reconstruction in tooth enamel of Techa riverside residents. <i>Radiation and Environmental Biophysics</i> , 2016, 55, 477-499.	0.6	15
22	Realising the European network of biodosimetry: RENEB--status quo. <i>Radiation Protection Dosimetry</i> , 2015, 164, 42-45.	0.4	41
23	Operational guidance for radiation emergency response organisations in Europe for using biodosimetric tools developed in EU MULTIBIDOSE project. <i>Radiation Protection Dosimetry</i> , 2015, 164, 165-169.	0.4	46
24	Letter to the Editor. <i>Radiation Protection Dosimetry</i> , 2015, 163, 268-268.	0.4	2
25	An altered redox balance and increased genetic instability characterize primary fibroblasts derived from xeroderma pigmentosum group A patients. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2015, 782, 34-43.	0.4	9
26	Analysis of EPR and FISH studies of radiation doses in persons who lived in the upper reaches of the Techa River. <i>Radiation and Environmental Biophysics</i> , 2015, 54, 433-444.	0.6	27
27	Multibiodose Radiation Emergency Triage Categorization Software. <i>Health Physics</i> , 2014, 107, 83-89.	0.3	9
28	Electron paramagnetic resonance measurements of absorbed dose in teeth from citizens of Ozyorsk. <i>Radiation and Environmental Biophysics</i> , 2014, 53, 321-333.	0.6	6
29	EPR dosimetry intercomparison using smart phone touch screen glass. <i>Radiation and Environmental Biophysics</i> , 2014, 53, 311-20.	0.6	48
30	Retrospective radiation dosimetry using OSL of electronic components: Results of an inter-laboratory comparison. <i>Radiation Measurements</i> , 2014, 71, 475-479.	0.7	70
31	A thermoluminescence study of mineral silicates extracted from herbs in the dose range 0.5-5 Gy. <i>Radiation Measurements</i> , 2013, 53-54, 74-79.	0.7	7
32	Realising the European Network of Biodosimetry (RENEB). <i>Radiation Protection Dosimetry</i> , 2012, 151, 621-625.	0.4	54
33	Lathyrus cicera copper amine oxidase reactions with tryptamine. <i>Journal of Inorganic Biochemistry</i> , 2012, 109, 33-39.	1.5	4
34	Review of retrospective dosimetry techniques for external ionising radiation exposures. <i>Radiation Protection Dosimetry</i> , 2011, 147, 573-592.	0.4	217
35	Identification of irradiated oysters by EPR measurements on shells. <i>Radiation Measurements</i> , 2011, , .	0.7	1
36	Silicates collected from personal objects as a potential fortuitous dosimeter in radiological emergency. <i>Radiation Measurements</i> , 2011, 46, 967-970.	0.7	9

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37	Cotton as fortuitous dosimeter in radiological emergency: An EPR preliminary study. Radiation Measurements, 2011, 46, 978-983.	0.7	2
38	EPR dosimetry of glass substrate of mobile phone LCDs. Radiation Measurements, 2011, 46, 827-827.	0.7	32
39	Extra-high doses detected in the enamel of human teeth in the Techa riverside region. Radiation Measurements, 2011, 46, 760-764.	0.7	9
40	Harmonization of dosimetric information obtained by different EPR methods: Experience of the Techa river study. Radiation Measurements, 2011, 46, 801-807.	0.7	15
41	The 4th international comparison on EPR dosimetry with tooth enamel. Radiation Measurements, 2011, 46, 765-771.	0.7	65
42	Pulsed EPR analysis of tooth enamel samples exposed to UV and $\hat{\text{I}}^3$ -radiations. Radiation Measurements, 2011, 46, 789-792.	0.7	22
43	Use of EPR and FTIR to detect biological effects of ultrasound and microbubbles on a fibroblast cell line. European Biophysics Journal, 2011, 40, 1115-1120.	1.2	7
44	Is dust a suitable material for retrospective personal dosimetry?. Radiation Measurements, 2010, 45, 753-755.	0.7	13
45	Moxel: A molar tooth voxel model for dosimetric studies. Radiation Measurements, 2010, 45, 234-236.	0.7	1
46	EPR dosimetry with tooth enamel: A review. Applied Radiation and Isotopes, 2010, 68, 2033-2116.	0.7	199
47	Biodosimetric tools for a fast triage of people accidentally exposed to ionising radiation. Annali Dell'Istituto Superiore Di Sanita, 2009, 45, 245.	0.2	2
48	Radiation-induced signals analysed by EPR spectrometry applied to fortuitous dosimetry. Annali Dell'Istituto Superiore Di Sanita, 2009, 45, 287-96.	0.2	33
49	Radiation-induced damage analysed by luminescence methods in retrospective dosimetry and emergency response. Annali Dell'Istituto Superiore Di Sanita, 2009, 45, 297-306.	0.2	17
50	Analysis of sources of uncertainty of tooth enamel EPR signal amplitude. Radiation Measurements, 2008, 43, 827-830.	0.7	9
51	EPR and TL-based beta dosimetry measurements in various tooth components contaminated by ^{90}Sr . Radiation Measurements, 2008, 43, 813-818.	0.7	8
52	Native and short-life signals in dentine EPR spectrum. Radiation Measurements, 2008, 43, 831-836.	0.7	1
53	Assessment of performance parameters for EPR dosimetry with tooth enamel. Radiation Measurements, 2008, 43, 731-736.	0.7	28
54	AN ABSORBED DOSE MAP OF BONE TISSUE TREATED WITH A RADIOPHARMACEUTICAL IN VIVO. Health Physics, 2007, 92, 176-178.	0.3	0

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55	BiodosEPR-2006 consensus committee report on biodosimetric methods to evaluate radiation doses at long times after exposure. Radiation Measurements, 2007, 42, 948-971.	0.7	35
56	Interlaboratory comparison of tooth enamel dosimetry on Semipalatinsk region: Part 1, general view. Radiation Measurements, 2007, 42, 1005-1014.	0.7	42
57	Interlaboratory comparison of tooth enamel dosimetry on Semipalatinsk region: Part 2, Effects of spectrum processing. Radiation Measurements, 2007, 42, 1015-1020.	0.7	39
58	Comparison of EPR occupational lifetime external dose assessments for Mayak nuclear workers and film badge dose data. Radiation and Environmental Biophysics, 2006, 44, 279-288.	0.6	28
59	EPR properties of intact and deproteinated dentin. Radiation Protection Dosimetry, 2006, 120, 216-220.	0.4	9
60	Use of alanine for dosimetry intercomparisons among Italian radiotherapy centers. Applied Radiation and Isotopes, 2005, 62, 261-265.	0.7	23
61	The 3rd international intercomparison on EPR tooth dosimetry: Part 1, general analysis. Applied Radiation and Isotopes, 2005, 62, 163-171.	0.7	70
62	A comparative EPR, infrared and Raman study of natural and deproteinated tooth enamel and dentin. Physics in Medicine and Biology, 2005, 50, 1095-1108.	1.6	48
63	EPR dosimetry in a mixed neutron and gamma radiation field. Radiation Protection Dosimetry, 2004, 110, 437-442.	0.4	27
64	Dosimetric response of tooth enamel to 14 MeV neutrons. Radiation and Environmental Biophysics, 2004, 43, 85-90.	0.6	5
65	In phantom Dosimetric response of tooth enamel to neutrons. Radiation Protection Dosimetry, 2004, 110, 559-563.	0.4	2
66	Tooth enamel dosimetric response to 2.8 MeV neutrons. Nuclear Instruments & Methods in Physics Research B, 2003, 201, 480-490.	0.6	19
67	Monte Carlo Calculation and Experimental Verification of the Photon Energy Response of Tooth Enamel in a Head-sized Plexiglas Phantom. Radiation Protection Dosimetry, 2002, 101, 549-552.	0.4	15
68	Alanine Response to Proton Beams in the 1.6-6.1 MeV Energy Range. Radiation Protection Dosimetry, 2002, 101, 465-468.	0.4	7
69	Radionuclides in pregnancy and breast-feeding. Microchemical Journal, 2002, 73, 251-264.	2.3	2
70	Mechanically induced EPR signals in tooth enamel. Applied Radiation and Isotopes, 2001, 55, 375-382.	0.7	17
71	Erratum to "ISS protocol for EPR tooth dosimetry". Radiation Measurements, 2001, 33, 389.	0.7	1
72	The second international intercomparison on EPR tooth dosimetry. Radiation Measurements, 2000, 32, 549-557.	0.7	111

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73	Thermal induced EPR signals in tooth enamel. <i>Radiation Measurements</i> , 2000, 32, 793-798.	0.7	20
74	ISS protocol for EPR tooth dosimetry. <i>Radiation Measurements</i> , 2000, 32, 787-792.	0.7	32
75	Comparison of sample preparation and signal evaluation methods for EPR analysis of tooth enamel. <i>Applied Radiation and Isotopes</i> , 2000, 52, 1059-1064.	0.7	41
76	Transferability of ASTM/NIST alanine-polyethylene recipe at ISS. <i>Applied Radiation and Isotopes</i> , 2000, 52, 1197-1201.	0.7	12
77	Oligonucleotide Labeling: Synthesis of a New Spin-Labeled 2-Deoxyguanosine Analogue. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2000, 19, 1301-1310.	0.4	4
78	Dosimetric characterization of silicon and diamond detectors in low-energy proton beams. <i>Physics in Medicine and Biology</i> , 2000, 45, 3045-3058.	1.6	28
79	Dental radiography: tooth enamel EPR dose assessment from Rando phantom measurements. <i>Physics in Medicine and Biology</i> , 2000, 45, 2671-2683.	1.6	17
80	Modulation of Bovine Serum Amine Oxidase Activity by Hydrogen Peroxide. <i>Biochemical and Biophysical Research Communications</i> , 2000, 267, 174-178.	1.0	18
81	Response Characteristics of Thermoluminescence and Alanine-based Dosimeters to 16 and 25 MeV Proton Beams. <i>Radiation Protection Dosimetry</i> , 1999, 85, 353-356.	0.4	6
82	The CANDIDO project: development of a CVD diamond dosimeter for applications in radiotherapy. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 1999, 78, 587-591.	0.5	7
83	Achievable Precision and Accuracy in EPR Dosimetry of Tooth Enamel. <i>Radiation Protection Dosimetry</i> , 1999, 84, 527-535.	0.4	26
84	Prenatal exposure to ionizing radiation: sources, effects and regulatory aspects. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 1999, 88, 693-702.	0.7	8
85	Gamma irradiation effects on poly(dl-lactide-co-glycolide) microspheres. <i>Journal of Controlled Release</i> , 1998, 56, 219-229.	4.8	135
86	Ionizing radiation induced effects on medicinal vegetable products. Cascara bark. <i>Radiation Physics and Chemistry</i> , 1998, 53, 525-531.	1.4	1
87	Effectiveness of Chemical Etching for Background Electron Paramagnetic Resonance Signal Reduction in Tooth Enamel. <i>Health Physics</i> , 1998, 75, 500-505.	0.3	17
88	Alanine dosimetry of proton therapy beams. <i>Medical Physics</i> , 1997, 24, 447-453.	1.6	30
89	Criticality accident dosimetry with ESR spectroscopy. <i>Applied Radiation and Isotopes</i> , 1996, 47, 1335-1339.	0.7	16
90	Preliminary Assessment of LiF and Alanine Detectors for the Dosimetry of Proton Therapy Beams. <i>Radiation Protection Dosimetry</i> , 1996, 66, 305-309.	0.4	15

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91	ESR identification of irradiated antibiotics: cephalosporins. Applied Radiation and Isotopes, 1996, 47, 1569-1572.	0.7	43
92	Proton response of alanine based pellets and films. Applied Radiation and Isotopes, 1996, 47, 1201-1204.	0.7	11
93	Critical evaluation of the sugar-EPR dosimetry system. Applied Radiation and Isotopes, 1996, 47, 1375-1379.	0.7	55
94	Gamma Radiation Induced Effects on Cefuroxime and Cefotaxime. Investigation on Degradation and Syn-Anti Isomerization. Drug Development and Industrial Pharmacy, 1994, 20, 2493-2508.	0.9	30
95	ESR dose assessment in irradiated chicken legs. Radiation Physics and Chemistry, 1994, 43, 487-491.	1.4	15
96	Coordinated research efforts for establishing an international radiotherapy dose intercomparison service based on the alanine/ESR system. Applied Radiation and Isotopes, 1993, 44, IN1-11.	0.7	31
97	Sources of uncertainty in therapy level alanine dosimetry. Applied Radiation and Isotopes, 1993, 44, 13-17.	0.7	43
98	ESR of Mg ₂ SiO ₄ :Tb TL phosphors. Applied Radiation and Isotopes, 1993, 44, 327-330.	0.7	5
99	An alternative procedure for ESR identification of irradiated chicken drumsticks. Applied Radiation and Isotopes, 1993, 44, 443-447.	0.7	14
100	Ionizing Radiation Induced Effects on Cephadrine. Influence of Sample Moisture content, Irradiation Dose and Storage conditions. Drug Development and Industrial Pharmacy, 1993, 19, 1693-1708.	0.9	25
101	Radio-Audio frequencies excitation in solid-state Rotating Frame NMR. Applied Magnetic Resonance, 1991, 2, 93-106.	0.6	8
102	NMR narrowing method for the imaging of porous media. Magnetic Resonance Imaging, 1991, 9, 839-841.	1.0	0