

# Paola Fattibene

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6321347/publications.pdf>

Version: 2024-02-01

102  
papers

2,604  
citations

172386

29  
h-index

223716

46  
g-index

106  
all docs

106  
docs citations

106  
times ranked

1378  
citing authors

#	ARTICLE	IF	CITATIONS
1	Review of retrospective dosimetry techniques for external ionising radiation exposures. Radiation Protection Dosimetry, 2011, 147, 573-592.	0.4	217
2	EPR dosimetry with tooth enamel: A review. Applied Radiation and Isotopes, 2010, 68, 2033-2116.	0.7	199
3	Gamma irradiation effects on poly(dl-lactide-co-glycolide) microspheres. Journal of Controlled Release, 1998, 56, 219-229.	4.8	135
4	The second international intercomparison on EPR tooth dosimetry. Radiation Measurements, 2000, 32, 549-557.	0.7	111
5	The 3rd international intercomparison on EPR tooth dosimetry: Part 1, general analysis. Applied Radiation and Isotopes, 2005, 62, 163-171.	0.7	70
6	Retrospective radiation dosimetry using OSL of electronic components: Results of an inter-laboratory comparison. Radiation Measurements, 2014, 71, 475-479.	0.7	70
7	The 4th international comparison on EPR dosimetry with tooth enamel. Radiation Measurements, 2011, 46, 765-771.	0.7	65
8	Critical evaluation of the sugar-EPR dosimetry system. Applied Radiation and Isotopes, 1996, 47, 1375-1379.	0.7	55
9	Realising the European Network of Biodosimetry (RENEB). Radiation Protection Dosimetry, 2012, 151, 621-625.	0.4	54
10	RENEB â€“ Running the European Network of biological dosimetry and physical retrospective dosimetry. International Journal of Radiation Biology, 2017, 93, 2-14.	1.0	52
11	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
12	EPR dosimetry intercomparison using smart phone touch screen glass. Radiation and Environmental Biophysics, 2014, 53, 311-20.	0.6	48
13	Integration of new biological and physical retrospective dosimetry methods into EU emergency response plans â€“ joint RENEB and EURADOS inter-laboratory comparisons. International Journal of Radiation Biology, 2017, 93, 99-109.	1.0	48
14	Operational guidance for radiation emergency response organisations in Europe for using biodosimetric tools developed in EU MULTIBIODOSE project. Radiation Protection Dosimetry, 2015, 164, 165-169.	0.4	46
15	Sources of uncertainty in therapy level alanine dosimetry. Applied Radiation and Isotopes, 1993, 44, 13-17.	0.7	43
16	ESR identification of irradiated antibiotics: cephalosporins. Applied Radiation and Isotopes, 1996, 47, 1569-1572.	0.7	43
17	Interlaboratory comparison of tooth enamel dosimetry on Semipalatinsk region: Part 1, general view. Radiation Measurements, 2007, 42, 1005-1014.	0.7	42
18	Comparison of sample preparation and signal evaluation methods for EPR analysis of tooth enamel. Applied Radiation and Isotopes, 2000, 52, 1059-1064.	0.7	41

#	ARTICLE	IF	CITATIONS
19	Realising the European network of biodosimetry: RENEB--status quo. <i>Radiation Protection Dosimetry</i> , 2015, 164, 42-45.	0.4	41
20	Interlaboratory comparison of tooth enamel dosimetry on Semipalatinsk region: Part 2, Effects of spectrum processing. <i>Radiation Measurements</i> , 2007, 42, 1015-1020.	0.7	39
21	BiodosEPR-2006 consensus committee report on biodosimetric methods to evaluate radiation doses at long times after exposure. <i>Radiation Measurements</i> , 2007, 42, 948-971.	0.7	35
22	UNCERTAINTY ON RADIATION DOSES ESTIMATED BY BIOLOGICAL AND RETROSPECTIVE PHYSICAL METHODS. <i>Radiation Protection Dosimetry</i> , 2018, 178, 382-404.	0.4	33
23	Radiation-induced signals analysed by EPR spectrometry applied to fortuitous dosimetry. <i>Annali Dell'Istituto Superiore Di Sanita</i> , 2009, 45, 287-96.	0.2	33
24	ISS protocol for EPR tooth dosimetry. <i>Radiation Measurements</i> , 2000, 32, 787-792.	0.7	32
25	EPR dosimetry of glass substrate of mobile phone LCDs. <i>Radiation Measurements</i> , 2011, 46, 827-827.	0.7	32
26	Coordinated research efforts for establishing an in international radiotherapy dose intercomparison service based on the alanine/ESR system. <i>Applied Radiation and Isotopes</i> , 1993, 44, IN1-11.	0.7	31
27	Gamma Radiation Induced Effects on Cefuroxime and Cefotaxime. Investigation on Degradation and Syn-Anti Isomerization. <i>Drug Development and Industrial Pharmacy</i> , 1994, 20, 2493-2508.	0.9	30
28	Alanine dosimetry of proton therapy beams. <i>Medical Physics</i> , 1997, 24, 447-453.	1.6	30
29	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
30	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
31	Comparison of EPR occupational lifetime external dose assessments for Mayak nuclear workers and film badge dose data. <i>Radiation and Environmental Biophysics</i> , 2006, 44, 279-288.	0.6	28
32	Assessment of performance parameters for EPR dosimetry with tooth enamel. <i>Radiation Measurements</i> , 2008, 43, 731-736.	0.7	28
33	EPR dosimetry in a mixed neutron and gamma radiation field. <i>Radiation Protection Dosimetry</i> , 2004, 110, 437-442.	0.4	27
34	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
35	Achievable Precision and Accuracy in EPR Dosimetry of Tooth Enamel. <i>Radiation Protection Dosimetry</i> , 1999, 84, 527-535.	0.4	26
36	Ionizing Radiation Induced Effects on Cephradine. Influence of Sample Moisture content, Irradiation Dose and Storage conditions. <i>Drug Development and Industrial Pharmacy</i> , 1993, 19, 1693-1708.	0.9	25

#	ARTICLE	IF	CITATIONS
37	Use of alanine for dosimetry intercomparisons among Italian radiotherapy centers. <i>Applied Radiation and Isotopes</i> , 2005, 62, 261-265.	0.7	23
38	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
39	Pulsed EPR analysis of tooth enamel samples exposed to UV and $\hat{1}^3$ -radiations. <i>Radiation Measurements</i> , 2011, 46, 789-792.	0.7	22
40	Thermal induced EPR signals in tooth enamel. <i>Radiation Measurements</i> , 2000, 32, 793-798.	0.7	20
41	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
42	Tooth enamel dosimetric response to 2.8 MeV neutrons. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 2003, 201, 480-490.	0.6	19
43	Modulation of Bovine Serum Amine Oxidase Activity by Hydrogen Peroxide. <i>Biochemical and Biophysical Research Communications</i> , 2000, 267, 174-178.	1.0	18
44	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
45	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
46	Mechanically induced EPR signals in tooth enamel. <i>Applied Radiation and Isotopes</i> , 2001, 55, 375-382.	0.7	17
47	Radiation-induced damage analysed by luminescence methods in retrospective dosimetry and emergency response. <i>Annali Dell'Istituto Superiore Di Sanita</i> , 2009, 45, 297-306.	0.2	17
48	Criticality accident dosimetry with ESR spectroscopy. <i>Applied Radiation and Isotopes</i> , 1996, 47, 1335-1339.	0.7	16
49	EURADOS STRATEGIC RESEARCH AGENDA: VISION FOR DOSIMETRY OF IONISING RADIATION. <i>Radiation Protection Dosimetry</i> , 2016, 168, ncv018.	0.4	16
50	ESR dose assessment in irradiated chicken legs. <i>Radiation Physics and Chemistry</i> , 1994, 43, 487-491.	1.4	15
51	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
52	Monte Carlo Calculation and Experimental Verification of the Photon Energy Response of Tooth Enamel in a Head-sized Plexiglas Phantom. <i>Radiation Protection Dosimetry</i> , 2002, 101, 549-552.	0.4	15
53	Harmonization of dosimetric information obtained by different EPR methods: Experience of the Techa river study. <i>Radiation Measurements</i> , 2011, 46, 801-807.	0.7	15
54	External dose reconstruction in tooth enamel of Techa riverside residents. <i>Radiation and Environmental Biophysics</i> , 2016, 55, 477-499.	0.6	15

#	ARTICLE	IF	CITATIONS
55	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
56	An alternative procedure for ESR identification of irradiated chicken drumsticks. <i>Applied Radiation and Isotopes</i> , 1993, 44, 443-447.	0.7	14
57	Is dust a suitable material for retrospective personal dosimetry?. <i>Radiation Measurements</i> , 2010, 45, 753-755.	0.7	13
58	Transferability of ASTM/NIST alanine "polyethylene recipe at ISS. <i>Applied Radiation and Isotopes</i> , 2000, 52, 1197-1201.	0.7	12
59	The harmonization process to set up and maintain an operational biological and physical retrospective dosimetry network: QA QM applied to the RENE network. <i>International Journal of Radiation Biology</i> , 2017, 93, 81-86.	1.0	12
60	Proton response of alanine based pellets and films. <i>Applied Radiation and Isotopes</i> , 1996, 47, 1201-1204.	0.7	11
61	Capabilities of the RENE 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
62	RENE accident simulation exercise. <i>International Journal of Radiation Biology</i> , 2017, 93, 75-80.	1.0	10
63	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
64	Mycobacterial and Human Ferrous Nitrobindins: Spectroscopic and Reactivity Properties. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1674.	1.8	10
65	Oxygen-mediated oxidation of ferrous nitrosylated nitrobindins. <i>Journal of Inorganic Biochemistry</i> , 2021, 224, 111579.	1.5	10
66	EPR properties of intact and deproteinated dentin. <i>Radiation Protection Dosimetry</i> , 2006, 120, 216-220.	0.4	9
67	Analysis of sources of uncertainty of tooth enamel EPR signal amplitude. <i>Radiation Measurements</i> , 2008, 43, 827-830.	0.7	9
68	Silicates collected from personal objects as a potential fortuitous dosimeter in radiological emergency. <i>Radiation Measurements</i> , 2011, 46, 967-970.	0.7	9
69	Extra-high doses detected in the enamel of human teeth in the Techa riverside region. <i>Radiation Measurements</i> , 2011, 46, 760-764.	0.7	9
70	Multibiodose Radiation Emergency Triage Categorization Software. <i>Health Physics</i> , 2014, 107, 83-89.	0.3	9
71	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
72	Radio-Audio frequencies excitation in solid-state Focusing Frame NMR. <i>Applied Magnetic Resonance</i> , 1991, 2, 93-106.	0.6	8

#	ARTICLE	IF	CITATIONS
73	EPR and TL-based beta dosimetry measurements in various tooth components contaminated by $^{90}\text{Sr}$ . Radiation Measurements, 2008, 43, 813-818.	0.7	8
74	Prenatal exposure to ionizing radiation: sources, effects and regulatory aspects. Acta Paediatrica, International Journal of Paediatrics, 1999, 88, 693-702.	0.7	8
75	The CANDIDO project: development of a CVD diamond dosimeter for applications in radiotherapy. Nuclear Physics, Section B, Proceedings Supplements, 1999, 78, 587-591.	0.5	7
76	Alanine Response to Proton Beams in the 1.6-6.1 MeV Energy Range. Radiation Protection Dosimetry, 2002, 101, 465-468.	0.4	7
77	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
78	A thermoluminescence study of mineral silicates extracted from herbs in the dose range $0.5 \times 10^{-5}$ to $5 \times 10^{-5}$ Gy. Radiation Measurements, 2013, 53-54, 74-79.	0.7	7
79	Response Characteristics of Thermoluminescence and Alanine-based Dosimeters to 16 and 25 MeV Proton Beams. Radiation Protection Dosimetry, 1999, 85, 353-356.	0.4	6
80	Electron paramagnetic resonance measurements of absorbed dose in teeth from citizens of Ozyorsk. Radiation and Environmental Biophysics, 2014, 53, 321-333.	0.6	6
81	ESR of $\text{Mg}_2\text{SiO}_4:\text{Tb}$ TL phosphors. Applied Radiation and Isotopes, 1993, 44, 327-330.	0.7	5
82	Dosimetric response of tooth enamel to $14\text{Mev}$ neutrons. Radiation and Environmental Biophysics, 2004, 43, 85-90.	0.6	5
83	DETECTION OF IONIZING RADIATION TREATMENT IN GLASS USED FOR HEALTHCARE PRODUCTS. Radiation Protection Dosimetry, 2019, 186, 78-82.	0.4	5
84	Oligonucleotide Labeling: Synthesis of a New Spin-Labeled $2\text{-}^3\text{H}$ -Deoxyguanosine Analogue. Nucleosides, Nucleotides and Nucleic Acids, 2000, 19, 1301-1310.	0.4	4
85	Lathyrus cicera copper amine oxidase reactions with tryptamine. Journal of Inorganic Biochemistry, 2012, 109, 33-39.	1.5	4
86	Protein oxidative damage and redox imbalance induced by ionising radiation in CHO cells. Free Radical Research, 2018, 52, 465-479.	1.5	4
87	EURADOS education and training activities. Journal of Radiological Protection, 2019, 39, R37-R50.	0.6	3
88	Design and Realization of an Open EPR Resonator at $\omega = \gamma H$ -Band Frequencies. IEEE Transactions on Magnetics, 2019, 55, 1-10.	1.2	3
89	Radionuclides in pregnancy and breast-feeding. Microchemical Journal, 2002, 73, 251-264.	2.3	2
90	In phantom Dosimetric response of tooth enamel to neutrons. Radiation Protection Dosimetry, 2004, 110, 559-563.	0.4	2

#	ARTICLE	IF	CITATIONS
91	Cotton as fortuitous dosimeter in radiological emergency: An EPR preliminary study. Radiation Measurements, 2011, 46, 978-983.	0.7	2
92	Letter to the Editor. Radiation Protection Dosimetry, 2015, 163, 268-268.	0.4	2
93	APPLICATION OF EPR TOOTH DOSIMETRY FOR VALIDATION OF THE CALCULATED EXTERNAL DOSES: EXPERIENCE IN DOSIMETRY FOR THE TECHA RIVER COHORT. Radiation Protection Dosimetry, 2019, 186, 70-77.	0.4	2
94	Salty Crackers as Fortuitous Dosimeters: A Novel PSL Method for Rapid Radiation Triage. Frontiers in Public Health, 2021, 9, 661376.	1.3	2
95	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
96	Ionizing radiation induced effects on medicinal vegetable products. Cascara bark. Radiation Physics and Chemistry, 1998, 53, 525-531.	1.4	1
97	Erratum to "EISS protocol for EPR tooth dosimetry" Radiation Measurements, 2001, 33, 389.	0.7	1
98	Native and short-life signals in dentine EPR spectrum. Radiation Measurements, 2008, 43, 831-836.	0.7	1
99	Moxel: A molar tooth voxel model for dosimetric studies. Radiation Measurements, 2010, 45, 234-236.	0.7	1
100	Identification of irradiated oysters by EPR measurements on shells. Radiation Measurements, 2011, , .	0.7	1
101	NMR narrowing method for the imaging of porous media. Magnetic Resonance Imaging, 1991, 9, 839-841.	1.0	0
102	AN ABSORBED DOSE MAP OF BONE TISSUE TREATED WITH A RADIOPHARMACEUTICAL IN VIVO. Health Physics, 2007, 92, 176-178.	0.3	0