

# Oswaldo Baffa

## List of Publications by Year in descending order

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278  
papers

4,250  
citations

136740

32  
h-index

214527

47  
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285  
all docs

285  
docs citations

285  
times ranked

4060  
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhanced UV Emission From Silver/ZnO And Gold/ZnO Core-Shell Nanoparticles: Photoluminescence, Radioluminescence, And Optically Stimulated Luminescence. <i>Scientific Reports</i> , 2015, 5, 14004.	1.6	151
2	Green synthesis of colloidal silver nanoparticles using natural rubber latex extracted from <i>Hevea brasiliensis</i> . <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2011, 82, 140-145.	2.0	141
3	Theta Oscillations and Human Navigation: A Magnetoencephalography Study. <i>Journal of Cognitive Neuroscience</i> , 2002, 14, 70-78.	1.1	90
4	Magnetic Fe <sub>3</sub> O <sub>4</sub> nanoparticles coated by natural rubber latex as MRI contrast agent. <i>Journal of Magnetism and Magnetic Materials</i> , 2019, 475, 458-464.	1.0	80
5	Latex use as an occlusive membrane for guided bone regeneration. <i>Journal of Biomedical Materials Research - Part A</i> , 2010, 95A, 932-939.	2.1	77
6	Shannon entropy applied to the analysis of event-related fMRI time series. <i>NeuroImage</i> , 2003, 20, 311-317.	2.1	72
7	Caffeic acid phenethyl ester protects against the dopaminergic neuronal loss induced by 6-hydroxydopamine in rats. <i>Neuroscience</i> , 2013, 233, 86-94.	1.1	69
8	Low-Cost Fetal Magnetocardiography: A Comparison of Superconducting Quantum Interference Device and Optically Pumped Magnetometers. <i>Journal of the American Heart Association</i> , 2019, 8, e013436.	1.6	69
9	Formaldehyde increases MAGIC gel dosimeter melting point and sensitivity. <i>Physics in Medicine and Biology</i> , 2008, 53, N53-N58.	1.6	63
10	MRI relaxometry: methods and applications. <i>Brazilian Journal of Physics</i> , 2006, 36, 9.	0.7	57
11	Green Synthesis and Surface Modification of Iron Oxide Nanoparticles with Enhanced Magnetization Using Natural Rubber Latex. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 13756-13765.	3.2	55
12	An AC biosusceptometer to study gastric emptying. <i>Medical Physics</i> , 1992, 19, 445-448.	1.6	51
13	Liver iron concentration evaluated by two magnetic methods: Magnetic resonance imaging and magnetic susceptometry. <i>Magnetic Resonance in Medicine</i> , 2005, 54, 122-128.	1.9	50
14	Correlation of properties of Brazilian Haplustalfts with magnetic susceptibility measurements. <i>Soil Use and Management</i> , 2010, 26, 425-431.	2.6	49
15	ESR dating of pleistocene mammal teeth and its implications for the biostratigraphy and geological evolution of the coastal plain, Rio Grande do Sul, southern Brazil. <i>Quaternary International</i> , 2010, 212, 213-222.	0.7	49
16	AC biosusceptometry in the study of drug delivery. <i>Advanced Drug Delivery Reviews</i> , 2005, 57, 1223-1241.	6.6	48
17	MgO:Li,Ce,Sm as a high-sensitivity material for Optically Stimulated Luminescence dosimetry. <i>Scientific Reports</i> , 2016, 6, 24348.	1.6	47
18	A novel biomagnetic method to study gastric antral contractions. <i>Physics in Medicine and Biology</i> , 1997, 42, 1791-1799.	1.6	45

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19	Clinical applications of alanine/electron spin resonance dosimetry. <i>Radiation and Environmental Biophysics</i> , 2014, 53, 233-240.	0.6	45
20	Analysis and development of AC biosusceptometer for oro-caecal transit time measurements. <i>Medical and Biological Engineering and Computing</i> , 1995, 33, 353-357.	1.6	43
21	Silver nanoparticles delivery system based on natural rubber latex membranes. <i>Journal of Nanoparticle Research</i> , 2013, 15, 1.	0.8	43
22	ESR dating of a toxodon tooth from a Brazilian karstic cave. <i>Applied Radiation and Isotopes</i> , 2000, 52, 1345-1349.	0.7	42
23	Effects of hydrogen on the electronic properties of synthetic melanin. <i>Journal of Applied Physics</i> , 2006, 99, 104701.	1.1	41
24	ESR dating at K and X band of northeastern Brazilian megafauna. <i>Applied Radiation and Isotopes</i> , 2005, 62, 225-229.	0.7	37
25	Synthesis and Characterization of Gold/Alanine Nanocomposites with Potential Properties for Medical Application as Radiation Sensors. <i>ACS Applied Materials &amp; Interfaces</i> , 2012, 4, 5844-5851.	4.0	37
26	An evaluation of dosimetric characteristics of MAGIC gel modified by adding formaldehyde (MAGIC-f). <i>Radiation Measurements</i> , 2012, 47, 1074-1082.	0.7	37
27	Influence of photon beam energy on the dose enhancement factor caused by gold and silver nanoparticles: An experimental approach. <i>Medical Physics</i> , 2014, 41, 032101.	1.6	37
28	Synthesis and characterization of silver/alanine nanocomposites for radiation detection in medical applications: the influence of particle size on the detection properties. <i>Nanoscale</i> , 2012, 4, 2884.	2.8	36
29	Electron Spin Resonance dating of the southern Brazilian Pleistocene mammals from Touro Passo Formation, and remarks on the geochronology, fauna and palaeoenvironments. <i>Quaternary International</i> , 2011, 245, 201-208.	0.7	34
30	ESR dating of Pleistocene mammals and marine shells from the coastal plain of Rio Grande do Sul state, southern Brazil. <i>Quaternary International</i> , 2014, 352, 124-134.	0.7	34
31	Real-time liver uptake and biodistribution of magnetic nanoparticles determined by AC biosusceptometry. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2017, 13, 1519-1529.	1.7	34
32	Some Evidence of a Date of First Humans to Arrive in Brazil. <i>Journal of Archaeological Science</i> , 2003, 30, 351-354.	1.2	33
33	Antioxidant properties of plant extracts: an EPR and DFT comparative study of the reaction with DPPH, TEMPOL and spin trap DMPO. <i>Journal of the Brazilian Chemical Society</i> , 2009, 20, 1483-1492.	0.6	32
34	Mechanistic Insights and Controlled Synthesis of Radioluminescent ZnSe Quantum Dots Using a Microfluidic Reactor. <i>Chemistry of Materials</i> , 2018, 30, 8562-8570.	3.2	32
35	Late pain-related magnetic fields and electric potentials evoked by intracutaneous electric finger stimulation. <i>Electroencephalography and Clinical Neurophysiology - Evoked Potentials</i> , 1991, 80, 46-52.	2.0	31
36	Magnetic images of the disintegration process of tablets in the human stomach by ac biosusceptometry. <i>Physics in Medicine and Biology</i> , 2005, 50, 5523-5534.	1.6	31

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37	ESR dating of teeth from northeastern Brazilian megafauna. <i>Radiation Measurements</i> , 2008, 43, 809-812.	0.7	31
38	Lyoluminescence and ESR measurements on alanine and sucrose dosimeters. <i>Applied Radiation and Isotopes</i> , 1995, 46, 827-830.	0.7	29
39	Study of stomach motility using the relaxation of magnetic tracers. <i>Physics in Medicine and Biology</i> , 1999, 44, 1691-1697.	1.6	29
40	Disintegration of magnetic tablets in human stomach evaluated by alternate current Biosusceptometry. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2003, 56, 413-420.	2.0	29
41	Gastrointestinal transit and disintegration of enteric coated magnetic tablets assessed by ac biosusceptometry. <i>European Journal of Pharmaceutical Sciences</i> , 2006, 27, 1-8.	1.9	29
42	Tomotherapy dose distribution verification using MAGIC polymer gel dosimetry. <i>Medical Physics</i> , 2012, 39, 2877-2884.	1.6	29
43	Oesophageal transit time evaluated by a biomagnetic method. <i>Physiological Measurement</i> , 1998, 19, 413-420.	1.2	28
44	Three-dimensional quality assurance of IMRT prostate plans using gel dosimetry. <i>Physica Medica</i> , 2017, 34, 1-6.	0.4	28
45	Measurement of gastric contraction activity in dogs by means of AC biosusceptometry. <i>Physiological Measurement</i> , 2003, 24, 337-345.	1.2	27
46	Euterpe oleracea (açaí) as an alternative oral contrast agent in MRI of the gastrointestinal system: preliminary results. <i>Magnetic Resonance Imaging</i> , 2004, 22, 389-393.	1.0	27
47	Silver nanoparticle films for metal enhanced luminescence: Toward development of plasmonic radiation detectors for medical applications. <i>Sensors and Actuators B: Chemical</i> , 2016, 224, 248-255.	4.0	27
48	Development and characterization of the InVesalius Navigator software for navigated transcranial magnetic stimulation. <i>Journal of Neuroscience Methods</i> , 2018, 309, 109-120.	1.3	27
49	Megafauna do Pleistoceno superior de Sergipe, Brasil: registros taxonômicos e cronológicos. <i>Revista Brasileira De Paleontologia</i> , 2011, 14, 311-320.	0.2	27
50	Increased dexamethasone-induced apoptosis of thymocytes from mice exposed to long-term extremely low frequency magnetic fields. <i>Bioelectromagnetics</i> , 1998, 19, 131-135.	0.9	26
51	Scintigraphic validation of AC Biosusceptometry to study the gastric motor activity and the intragastric distribution of food in humans. <i>Neurogastroenterology and Motility</i> , 2007, 19, 804-811.	1.6	26
52	Synthesis of silver nanoparticles using dl-alanine for ESR dosimetry applications. <i>Radiation Physics and Chemistry</i> , 2012, 81, 301-307.	1.4	26
53	Raman spectroscopy of very small Cd <sub>1-x</sub> Co <sub>x</sub> S quantum dots grown by a novel protocol: direct observation of acoustic-optical phonon coupling. <i>Journal of Raman Spectroscopy</i> , 2013, 44, 1022-1032.	1.2	26
54	Relative output factor and beam profile measurements of small radiation fields with an L-alanine/K-Band EPR minidosimeter. <i>Medical Physics</i> , 2007, 34, 1573-1582.	1.6	25

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55	Patient-specific neurosurgical phantom: assessment of visual quality, accuracy, and scaling effects. 3D Printing in Medicine, 2018, 4, 3.	1.7	25
56	Enteric Coated Magnetic HPMC Capsules Evaluated in Human Gastrointestinal Tract by AC Biosusceptometry. Pharmaceutical Research, 2006, 23, 1809-1816.	1.7	24
57	Electron Spin Resonance dating of the Late Quaternary megafauna fossils from Baixa Grande, Bahia, Brazil. Quaternary International, 2013, 305, 91-96.	0.7	24
58	Quality assessment of coffee beans with ESR and Gamma-ray irradiation. International Journal of Radiation Applications and Instrumentation Part A, Applied Radiation and Isotopes, 1989, 40, 1219-1222.	0.5	23
59	Dosimetry of blood irradiation using an alanine/ESR dosimeter. Applied Radiation and Isotopes, 2001, 55, 13-16.	0.7	23
60	TMS with fast and accurate electronic control: Measuring the orientation sensitivity of corticomotor pathways. Brain Stimulation, 2022, 15, 306-315.	0.7	23
61	Enhanced sensitivity of alanine dosimeters to low-energy X-rays: Preliminary results. Radiation Measurements, 2008, 43, 467-470.	0.7	22
62	A review of the time scale and potential geographic distribution of Notiomastodon platensis (Ameghino, 1888) in the late Pleistocene of South America. Quaternary International, 2013, 317, 73-79.	0.7	22
63	Concentration effect on the optical and magnetic properties of Co <sup>2+</sup> -doped Bi <sub>2</sub> S <sub>3</sub> semimagnetic nanocrystals growth in glass matrix. Journal of Alloys and Compounds, 2018, 740, 974-979.	2.8	22
64	Ir-192 HDR transit dose and radial dose function determination using alanine/EPR dosimetry. Physics in Medicine and Biology, 2005, 50, 1109-1117.	1.6	21
65	Biomagnetic Methods: Technologies Applied to Pharmaceutical Research. Pharmaceutical Research, 2011, 28, 438-455.	1.7	21
66	The northernmost record of Catagonus stenocephalus (Lund in Reinhardt, 1880) (Mammalia,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 307 South American Earth Sciences, 2013, 42, 39-46.	0.6	21
67	Extinction of a gomphothere population from Southeastern Brazil: Taphonomic, paleoecological and chronological remarks. Quaternary International, 2013, 305, 85-90.	0.7	21
68	Magnetic fields from skeletal muscles: a valuable physiological measurement?. Frontiers in Physiology, 2015, 6, 228.	1.3	21
69	Lanthanide-doped MgO: A case study on how to design new phosphors for dosimetry with tailored luminescent properties. Journal of Luminescence, 2019, 209, 21-30.	1.5	21
70	Toxicity of silver nanoparticles released by Hancornia speciosa (Mangabeira) biomembrane. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2019, 210, 329-334.	2.0	21
71	Performance on Bone Regeneration of a Silver Nanoparticle Delivery System Based on Natural Rubber Membrane NRL-AgNP. Coatings, 2020, 10, 323.	1.2	21
72	Imaging ferromagnetic tracers with an ac biosusceptometer. Review of Scientific Instruments, 2000, 71, 2532-2538.	0.6	19

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73	Response of L-alanine and 2-methylalanine minidosimeters for K-Band (24GHz) EPR dosimetry. Nuclear Instruments & Methods in Physics Research B, 2007, 264, 277-281.	0.6	19
74	Understanding the magnetic susceptibility measurements by using an analytical scale. European Journal of Physics, 2008, 29, 345-354.	0.3	19
75	Dating human occupation at Toca do Serrote das Moendas, SĂŁo Raimundo Nonato, PiauĂ-Brasil by electron spin resonance and optically stimulated luminescence. Journal of Human Evolution, 2014, 77, 187-195.	1.3	19
76	The influence of measurement and storage conditions on alanine ESR dosimeters. International Journal of Radiation Applications and Instrumentation Part A, Applied Radiation and Isotopes, 1992, 43, 1407-1411.	0.5	18
77	Gastric motility evaluated by electrogastrography and alternating current biosusceptometry in dogs. Physiological Measurement, 2008, 29, 1023-1031.	1.2	18
78	Non-extensive entropy and the extraction of BOLD spatial information in event-related functional MRI. Physics in Medicine and Biology, 2009, 54, 161-174.	1.6	18
79	Optically Stimulated Luminescence Under Plasmon Resonance Conditions Enhances X-Ray Detection. Plasmonics, 2014, 9, 1049-1056.	1.8	18
80	Adaptive, autoregressive spectral estimation for analysis of electrical signals of gastric origin. Physiological Measurement, 2003, 24, 91-106.	1.2	17
81	Electron spin resonance dating of human teeth from Toca da Santa shelter of SĂŁo Raimundo Nonato, PiauĂ, Brazil. Nuclear Instruments & Methods in Physics Research B, 2008, 266, 635-639.	0.6	17
82	Gel Dosimetry Analysis of Gold Nanoparticle Application in Kilovoltage Radiation Therapy. Journal of Physics: Conference Series, 2010, 250, 012084.	0.3	17
83	A hybrid transducer to evaluate stomach emptying by ultrasound and susceptometric measurements: an in vivo feasibility study. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2015, 62, 1288-1294.	1.7	17
84	Quantitative aspects of brain perfusion dynamic induced by BOLD fMRI. Arquivos De Neuro-Psiquiatria, 2006, 64, 895-898.	0.3	17
85	Evaluation of a biomagnetic technique for measurement of orocaecal transit time. European Journal of Gastroenterology and Hepatology, 1996, 8, 491-5.	0.8	17
86	Study by EPR and electronic spectroscopy of intermediates in iron porphyrin and iodosylbenzene reaction. Journal of Inorganic Biochemistry, 1993, 52, 191-200.	1.5	16
87	ESR dosimetry of <sup>89</sup> Sr- and <sup>153</sup> Sm-in bone. Applied Radiation and Isotopes, 2001, 54, 269-274.	0.7	16
88	EVALUATION OF A HIGH DOSE TO A FINGER FROM A <sup>60</sup> Co ACCIDENT. Health Physics, 2003, 84, 477-482.	0.3	16
89	Novel scanning magnetic microscopy method for the characterization of magnetic nanoparticles. Journal of Magnetism and Magnetic Materials, 2020, 499, 166300.	1.0	16
90	Synthesis of radioluminescent iron oxide nanoparticles functionalized by anthracene for biomedical applications. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 602, 125105.	2.3	16

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91	Assessment of the ESR spectra of copper 3-ethoxy-2-oxobutylaldehyde bis(thiosemicarbazone) complexes CuKTM2. <i>Inorganic Chemistry</i> , 1987, 26, 3945-3949.	1.9	15
92	Liver injury and generation of hydroxyl free radicals in experimental secondary hemochromatosis. <i>Research in Experimental Medicine</i> , 1993, 193, 27-37.	0.7	15
93	K-band EPR dosimetry: small-field beam profile determination with miniature alanine dosimeter. <i>Applied Radiation and Isotopes</i> , 2005, 62, 267-271.	0.7	15
94	Influence of compression forces on tablets disintegration by AC Biosusceptometry. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2008, 69, 372-379.	2.0	15
95	Dosimetry of small radiation field in inhomogeneous medium using alanine/EPR minidosimeters and PENELOPE Monte Carlo simulation. <i>Radiation Measurements</i> , 2011, 46, 941-944.	0.7	15
96	Renal perfusion evaluation by alternating current biosusceptometry of magnetic nanoparticles. <i>Journal of Magnetism and Magnetic Materials</i> , 2015, 380, 2-6.	1.0	15
97	Late Pleistocene-Holocene fossils from Mirim Lake, Southern Brazil, and their paleoenvironmental significance: I - Vertebrates. <i>Journal of South American Earth Sciences</i> , 2020, 100, 102566.	0.6	15
98	Avalia�o da susceptibilidade magn�tica usando uma balan�a anal�tica. <i>Quimica Nova</i> , 2003, 26, 952-956.	0.3	15
99	Long-Term Clearance and Biodistribution of Magnetic Nanoparticles Assessed by AC Biosusceptometry. <i>Materials</i> , 2022, 15, 2121.	1.3	15
100	Intermediate species detected in oxidation reactions of FeTM(4)PyP5+ with iodosylbenzene by EPR and UV-Vis spectroscopies. <i>Inorganica Chimica Acta</i> , 1991, 186, 39-43.	1.2	14
101	Study of the catalytical intermediates of metalloporphyrins supported on imidazole propyl gel. <i>Journal of Molecular Catalysis A</i> , 1997, 117, 259-271.	4.8	14
102	Theoretical evaluation of the susceptometric measurement of iron in human liver by four different susceptometers. <i>Physiological Measurement</i> , 2002, 23, 683-693.	1.2	14
103	An alternating current superconductor susceptometric system to evaluate liver iron overload. <i>Review of Scientific Instruments</i> , 2003, 74, 3098-3103.	0.6	14
104	Study of the magnetic content movement present in the large intestine. <i>Journal of Magnetism and Magnetic Materials</i> , 2004, 283, 16-21.	1.0	14
105	Generalized mutual information tests applied to fMRI analysis. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2005, 352, 629-644.	1.2	14
106	K-band ESR spectra of calcite stalagmites from southeast and south Brazil. <i>Applied Radiation and Isotopes</i> , 2005, 62, 247-250.	0.7	14
107	Energy dependence of different materials in ESR dosimetry for clinical X-ray 10MV beam. <i>Radiation Measurements</i> , 2007, 42, 1227-1232.	0.7	14
108	Clinical Feasibility of A�ai (Euterpe oler�cea) Pulp as an Oral Contrast Agent for Magnetic Resonance Cholangiopancreatography. <i>Journal of Computer Assisted Tomography</i> , 2009, 33, 666-671.	0.5	14

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109	Luminescence in semimagnetic Pb <sup>1-δ</sup> Mn Se quantum dots grown in a glass host: Radiative and nonradiative emission processes. <i>Chemical Physics Letters</i> , 2013, 567, 23-26.	1.2	14
110	Evaluation of a composite Gelatin-Alanine phantom on an end-to-end test to treat multiple brain metastases by a single isocenter VMAT technique. <i>Medical Physics</i> , 2017, 44, 4869-4879.	1.6	14
111	Development of an optical pumped gradiometric system to detect magnetic relaxation of magnetic nanoparticles. <i>Journal of Magnetism and Magnetic Materials</i> , 2019, 475, 533-538.	1.0	14
112	Magnetic separation of iron oxide nanoparticles to improve their application for magnetic particle imaging. <i>Physics in Medicine and Biology</i> , 2021, 66, 015002.	1.6	14
113	Pharyngeal Clearance and Pharyngeal Transit Time Determined by a Biomagnetic Method in Normal Humans. <i>Dysphagia</i> , 2001, 16, 308-312.	1.0	13
114	A novel biomagnetic approach to study caecocolonic motility in humans. <i>Neurogastroenterology and Motility</i> , 2006, 18, 1078-1083.	1.6	13
115	A numerical study of the Kullback-Leibler distance in functional magnetic resonance imaging. <i>Brazilian Journal of Physics</i> , 2008, 38, 20-25.	0.7	13
116	A hybrid transducer to magnetically and ultrasonically evaluate magnetic fluids. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2013, 60, 2004-2012.	1.7	13
117	Measuring magnetic properties of ferromagnetic materials. <i>American Journal of Physics</i> , 1998, 66, 449-452.	0.3	12
118	Spatial resolution of magnetic resonance imaging Fricke-gel dosimetry is improved with a honeycomb phantom. <i>Medical Physics</i> , 2002, 30, 17-20.	1.6	12
119	ESR dating of a subfossil shell from Couve Island, Ubatuba, Brazil. <i>Applied Radiation and Isotopes</i> , 2002, 57, 497-500.	0.7	12
120	Fetal source extraction from magnetocardiographic recordings by dependent component analysis. <i>Physics in Medicine and Biology</i> , 2005, 50, 4457-4464.	1.6	12
121	Linear and nonlinear measures of fetal heart rate patterns evaluated on very short fetal magnetocardiograms. <i>Physiological Measurement</i> , 2012, 33, 1563-1583.	1.2	12
122	Cd <sup>1-x</sup> MnxTe ultrasmall quantum dots growth in a silicate glass matrix by the fusion method. <i>Applied Physics Letters</i> , 2014, 105, .	1.5	12
123	DNA Detection Based on Localized Surface Plasmon Resonance Spectroscopy of Ag@Au Biocomposite Nanoparticles. <i>Plasmonics</i> , 2019, 14, 1419-1426.	1.8	12
124	Generalized mutual information fMRI analysis: a study of the Tsallis q parameter. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2004, 344, 705-711.	1.2	11
125	Spatiotemporal evaluation of human colon motility using three-axis fluxgates and magnetic markers. <i>Medical and Biological Engineering and Computing</i> , 2005, 43, 712-715.	1.6	11
126	Irradiation dose control of chicken meat processing with alanine/ESR dosimetric system. <i>Radiation Measurements</i> , 2007, 42, 1222-1226.	0.7	11

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127	ESR dating of teeth from Brazilian megafauna. <i>Journal of Physics: Conference Series</i> , 2010, 249, 012062.	0.3	11
128	Tridimensional dosimetry for prostate IMRT treatments using MAGIC-f gel by MRI. <i>Radiation Measurements</i> , 2014, 71, 369-373.	0.7	11
129	A new luminescent material based on CaB <sub>6</sub> O <sub>10</sub> :Pb to detect radiation. <i>Journal of Luminescence</i> , 2017, 181, 171-178.	1.5	11
130	Effect of TMS coil orientation on the spatial distribution of motor evoked potentials in an intrinsic hand muscle. <i>Biomedizinische Technik</i> , 2018, 63, 635-645.	0.9	11
131	Thermal parameters of dental materials determined by photoacoustic phase lag measurements. <i>Review of Scientific Instruments</i> , 1998, 69, 3392-3397.	0.6	10
132	Magnetic Properties of Synthetic Eumelanin Preliminary Results. <i>Photochemistry and Photobiology</i> , 2008, 84, 627-631.	1.3	10
133	AN ATTEMPT TO USE SWEETENERS AS A MATERIAL FOR ACCIDENT DOSIMETRY. <i>Health Physics</i> , 2010, 98, 406-411.	0.3	10
134	Electron spin resonance dating of megafauna from Lagoa dos Porcos, Piauí, Brazil. <i>Radiation Protection Dosimetry</i> , 2014, 159, 212-219.	0.4	10
135	Optically and thermally stimulated luminescence of CaB <sub>6</sub> O <sub>10</sub> :Ce,LiCl: Basic properties. <i>Journal of Luminescence</i> , 2017, 188, 180-187.	1.5	10
136	Lateralized asymmetries in distribution of muscular evoked responses: An evidence of specialized motor control over an intrinsic hand muscle. <i>Brain Research</i> , 2018, 1684, 60-66.	1.1	10
137	Electron spin resonance (ESR) dose measurement in bone of Hiroshima A-bomb victim. <i>PLoS ONE</i> , 2018, 13, e0192444.	1.1	10
138	Silver nanoparticles in building materials for environment protection against microorganisms. <i>International Journal of Environmental Science and Technology</i> , 2019, 16, 1239-1248.	1.8	10
139	Geological and taphonomic significance of electron spin resonance (ESR) ages of Middle-Late Pleistocene marine shells from barrier-lagoon systems of Southern Brazil. <i>Journal of South American Earth Sciences</i> , 2020, 101, 102605.	0.6	10
140	Magnetic Characterization by Scanning Microscopy of Functionalized Iron Oxide Nanoparticles. <i>Nanomaterials</i> , 2021, 11, 2197.	1.9	10
141	Magnetic and electric characteristics of the electric fish <i>Gymnotus carapo</i> . <i>Biophysical Journal</i> , 1992, 63, 591-593.	0.2	9
142	TL, OSL and ESR properties of nanostructured KAlSi <sub>3</sub> O <sub>8</sub> :Mn Glass. <i>Radiation Measurements</i> , 2011, 46, 1492-1495.	0.7	9
143	A comparative thermoluminescence and electron spin resonance study of synthetic carbonated A-type hydroxyapatite. <i>Applied Radiation and Isotopes</i> , 2012, 70, 533-537.	0.7	9
144	Experimental assessment of gold nanoparticle-mediated dose enhancement in radiation therapy beams using electron spin resonance dosimetry. <i>Physics in Medicine and Biology</i> , 2015, 60, 4465-4480.	1.6	9

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145	Controlling Densities of Manganese Ions and Cadmium Vacancies in Cd <sub>1-x</sub> Mn <sub>x</sub> Te Ultrasmall Quantum Dots in a Glass Matrix: Concentration and Thermal Annealing. <i>Journal of Physical Chemistry C</i> , 2015, 119, 17416-17420.	1.5	9
146	ESR dating of megafauna enamel teeth from Lagoa Uri de Cima Archaeological Site (Pernambuco, Brazil). <i>Overlook</i> , 2017, 10, 1-10.	0.7	10
147	Characterization of the optically stimulated luminescence (OSL) response of beta-irradiated alexandrite-polymer composites. <i>Journal of Luminescence</i> , 2020, 226, 117479.	1.5	9
148	Human ear tympanum oscillation recorded using a magnetoresistive sensor. <i>Review of Scientific Instruments</i> , 2002, 73, 3695-3697.	0.6	8
149	Preliminary evaluation of second harmonic direct detection scheme for low-dose range in alanine/EPR dosimetry. <i>Physics in Medicine and Biology</i> , 2002, 47, 1357-1367.	1.6	8
150	Chemical origin of the native ESR signals in thermally treated enamel and dentin. <i>Physica B: Condensed Matter</i> , 2004, 349, 119-123.	1.3	8
151	Study of paramagnetic and luminescence centers of microcline feldspar. <i>Applied Radiation and Isotopes</i> , 2005, 62, 231-236.	0.7	8
152	A new 2-methylalanine-PVC ESR dosimeter. <i>Applied Radiation and Isotopes</i> , 2005, 62, 287-291.	0.7	8
153	Dependent component analysis for the magnetogastrographic detection of human electrical response activity. <i>Physiological Measurement</i> , 2007, 28, 1029-1044.	1.2	8
154	Thermal degradation of dentin collagen evaluated with ESR, infrared and optical spectroscopy. <i>Philosophical Magazine</i> , 2007, 87, 1033-1042.	0.7	8
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