

Ricardo Tadeu Lopes

List of Publications by Year in descending order

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333
papers

4,162
citations

182225

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docs citations

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times ranked

3941
citing authors

#	ARTICLE	IF	CITATIONS
1	Planned Apical Preparation Using Cone-Beam Computed Tomographic Measures: A Micro-Computed Tomographic Proof of Concept in Human Cadavers. <i>Journal of Endodontics</i> , 2022, 48, 280-286.	1.4	11
2	Assessment of trabecular and cortical parameters using high-resolution peripheral quantitative computed tomography, histomorphometry and microCT of iliac crest bone core in hemodialysis patients. <i>Bone Reports</i> , 2022, 16, 101173.	0.2	2
3	Optimal theranostic SPECT imaging protocol for ²²³ radium dichloride therapy. <i>Journal of Medical Imaging and Radiation Sciences</i> , 2022, , .	0.2	0
4	Development and characterization of a portable CT system for wooden sculptures analysis. <i>Radiation Physics and Chemistry</i> , 2022, 200, 110409.	1.4	7
5	Contrast-enhanced micro-CT to assess dental pulp tissue debridement in root canals of extracted teeth: a series of cascading experiments towards method validation. <i>International Endodontic Journal</i> , 2021, 54, 279-293.	2.3	13
6	Preserving dentine in minimally invasive access cavities does not strengthen the fracture resistance of restored mandibular molars. <i>International Endodontic Journal</i> , 2021, 54, 966-974.	2.3	11
7	Efficacy of an arrow-shaped ultrasonic tip for the removal of residual root canal filling materials. <i>Australian Endodontic Journal</i> , 2021, 47, 467-473.	0.6	5
8	In-vitro trabecular bone damage following mono- and bicortical mini implants anchorage in mini-implant assisted rapid palatal expansion (MARPE). <i>International Orthodontics</i> , 2021, 19, 243-251.	0.6	3
9	Influence of ultraconservative access cavities on instrumentation efficacy with XP-Endo Shaper and Reciproc, filling ability and load capacity of mandibular molars subjected to thermomechanical cycling. <i>International Endodontic Journal</i> , 2021, 54, 1383-1393.	2.3	17
10	Evaluation of X-shaped welded joints with Co-Cr alloy under different welding parameters: analysis by micro-CT and flexural strength. <i>Research, Society and Development</i> , 2021, 10, e44510414308.	0.0	2
11	X-ray micro-computed tomography of burrow-related porosity and permeability in shallow-marine equatorial carbonates: A case study from the Miocene Pirabas Formation, Brazil. <i>Marine and Petroleum Geology</i> , 2021, 127, 104966.	1.5	12
12	Analysis of angular dependent spatial frequency response of Digital Coplanar Translational Laminography. <i>NDT and E International</i> , 2021, 124, 102546.	1.7	3
13	Porosity and pore size distribution in high-viscosity and conventional glass ionomer cements: a micro-computed tomography study. <i>Restorative Dentistry & Endodontics</i> , 2021, 46, e57.	0.6	6
14	Micro-CT evaluation of root canal preparation with rotary instrumentation on prototyped primary incisors. <i>Brazilian Oral Research</i> , 2021, 35, e132.	0.6	4
15	In vitro effect of experimental nanocomposites solutions on the prevention of dental caries around orthodontic brackets. <i>Brazilian Dental Journal</i> , 2021, 32, 62-73.	0.5	3
16	Does ultraconservative access affect the efficacy of root canal treatment and the fracture resistance of two-rooted maxillary premolars?. <i>International Endodontic Journal</i> , 2020, 53, 265-275.	2.3	53
17	Arrowhead design ultrasonic tip as a supplementary tool for canal debridement. <i>International Endodontic Journal</i> , 2020, 53, 410-420.	2.3	16
18	Dentinal microcracks on freshly extracted teeth: the impact of the extraction technique. <i>International Endodontic Journal</i> , 2020, 53, 440-446.	2.3	19

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19	Congenital Zika syndrome is associated with maternal protein malnutrition. <i>Science Advances</i> , 2020, 6, eaaw6284.	4.7	55
20	Root canal obturation materials and filling techniques for primary teeth: In vitro evaluation in polymer-based prototyped incisors. <i>International Journal of Paediatric Dentistry</i> , 2020, 30, 381-389.	1.0	14
21	Root dentinal microcracks: a post-extraction experimental phenomenon?. <i>International Endodontic Journal</i> , 2020, 53, 137-142.	2.3	4
22	Monitoring of bacterial community structure and growth: An alternative tool for biofilm microanalysis. <i>Biofilm</i> , 2020, 2, 100034.	1.5	1
23	A Puma concolor (Carnivora: Felidae) in the Middle-Late Holocene landscapes of the Brazilian Northeast (Bahia): submerged cave deposits and stable isotopes. <i>Geobios</i> , 2020, 62, 61-78.	0.7	3
24	Electrochemical dissolution of nickel-titanium instrument fragments in root canals of extracted human maxillary molars using a small reservoir of electrolyte. <i>International Endodontic Journal</i> , 2020, 53, 1559-1568.	2.3	3
25	The impact of minimally invasive root canal preparation strategies on the ability to shape root canals of mandibular molars. <i>International Endodontic Journal</i> , 2020, 53, 1680-1688.	2.3	22
26	Unveiling the role of bioturbation on bacterial activity in metal-contaminated sediments. <i>Science of the Total Environment</i> , 2020, 744, 140988.	3.9	2
27	Do pre-existing microcracks play a role in the fracture resistance of roots in a laboratory setting?. <i>International Endodontic Journal</i> , 2020, 53, 1506-1515.	2.3	9
28	X-ray computed microtomography for the structural analysis of jewelry from the Museum "Royal Tombs of Sipán". <i>Powder Diffraction</i> , 2020, 35, S38-S42.	0.4	0
29	Fabrication and characterization of remineralizing dental composites containing hydroxyapatite nanoparticles. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2020, 109, 103817.	1.5	27
30	Analytical studies on pre-Columbian gold and silver from the North of Peru. <i>Rendiconti Lincei</i> , 2020, 31, 473-484.	1.0	8
31	Cyclodextrin and TiF4 Nanocomplex on Enamel Demineralization. <i>Brazilian Dental Journal</i> , 2020, 31, 423-430.	0.5	1
32	Shaping efficiency as a function of time of a new heat-treated instrument. <i>International Endodontic Journal</i> , 2019, 52, 337-342.	2.3	33
33	Micro-CT evaluation of different final irrigation protocols on the removal of hard-tissue debris from isthmus-containing mesial root of mandibular molars. <i>Clinical Oral Investigations</i> , 2019, 23, 681-687.	1.4	48
34	XP-endo Finisher R instrument optimizes the removal of root filling remnants in oval-shaped canals. <i>International Endodontic Journal</i> , 2019, 52, 899-907.	2.3	52
35	Analysis of precious metals from the tomb of the "Lady of Cao" by X-ray microtomography and digital radiography. <i>X-Ray Spectrometry</i> , 2019, 48, 499-504.	0.9	3
36	Crude oil analysis by X-ray scattering technique. <i>X-Ray Spectrometry</i> , 2019, 48, 195-201.	0.9	3

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37	Characterization of scale deposition in oil pipelines through X-Ray Microfluorescence and X-Ray microtomography. Applied Radiation and Isotopes, 2019, 151, 247-255.	0.7	15
38	Analysis of two meteorite fragments (lunar and martian) using X-Ray microfluorescence and X-Ray computed microtomography techniques. Applied Radiation and Isotopes, 2019, 152, 156-161.	0.7	5
39	Elemental distribution by synchrotron X-ray microfluorescence of prostate 3D cell culture. X-Ray Spectrometry, 2019, 48, 476-481.	0.9	2
40	Analysis of metallic archaeological artifacts by x-ray computed microtomography technique. Applied Radiation and Isotopes, 2019, 151, 274-279.	0.7	13
41	Characterization of carbonate rocks through X-ray microfluorescence and X-ray computed microtomography. X-Ray Spectrometry, 2019, 48, 543.	0.9	0
42	Anatomical danger zone reconsidered: a micro-CT study on dentine thickness in mandibular molars. International Endodontic Journal, 2019, 52, 1501-1507.	2.3	42
43	Using a portable total reflection X-ray fluorescence system for a multielement analysis of Swiss mice brains with experimental Alzheimer's disease induced by β -amyloid oligomers. X-Ray Spectrometry, 2019, 48, 452-464.	0.9	4
44	Investigation of the matric suction role on the curing mechanism of foamed asphalt stabilised mixtures. Road Materials and Pavement Design, 2019, 20, S365-S389.	2.0	15
45	Evaluation of the structural characteristics and the fading effects of image plates. X-Ray Spectrometry, 2019, 48, 375-381.	0.9	4
46	Mineral density changes in bovine carious dentin after treatment with bioactive dental cements: a comparative micro-CT study. Clinical Oral Investigations, 2019, 23, 1865-1870.	1.4	23
47	Root dentinal microcracks: a post-extraction experimental phenomenon?. International Endodontic Journal, 2019, 52, 857-865.	2.3	44
48	Analysis of milk trace elements with a home-made portable automated total reflection x-ray fluorescence system. Radiation Physics and Chemistry, 2019, 156, 216-221.	1.4	11
49	Characterization of vegetable oils through scattered radiation and multivariate analysis. Radiation Physics and Chemistry, 2019, 156, 245-251.	1.4	3
50	Reciprocating instrumentation in a maxillary primary central incisor: A protocol tested in a 3D printed prototype. International Journal of Paediatric Dentistry, 2019, 29, 50-57.	1.0	9
51	Study on Brazilian 18th century imperial carriage using x-ray nondestructive techniques. Radiation Physics and Chemistry, 2019, 154, 74-78.	1.4	13
52	INFLUENCE OF SOIL COVER ON PORE DISTRIBUTION AND CONNECTIVITY DENSITY IN A FERRALSSOL EVALUATED BY 3D COMPUTERIZED MICROTOMOGRAPHY. Mercator: Revista De Geografia Da UFC, 2019, 18, 1-12.	0.3	3
53	Mineral density in carious dentine after treatment with calcium silicates and polyacrylic acid-based cements. International Endodontic Journal, 2018, 51, 1292-1300.	2.3	11
54	IMPROVEMENTS IN THE THERMAL NEUTRON CALIBRATION UNIT, TNF2, AT LNMRI/IRD. Radiation Protection Dosimetry, 2018, 180, 56-61.	0.4	2

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55	Structural analysis of jewelry from the Moche tomb of the 'lady of Cao' by X-ray digital radiography. Journal of Instrumentation, 2018, 13, C04029-C04029.	0.5	4
56	First Neogene Proto-Caribbean pufferfish: new evidence for Tetraodontidae radiation. Journal of South American Earth Sciences, 2018, 85, 57-67.	0.6	2
57	Micro-CT assessment of the shaping ability of four root canal instrumentation systems in oval-shaped canals. International Endodontic Journal, 2018, 51, 564-571.	2.3	82
58	Application of the sum-peak method to activity standardizations of 152 Eu sources in LNMRI (BR). Applied Radiation and Isotopes, 2018, 134, 340-350.	0.7	3
59	68 (Ge+Ga) activity standardization by ^{41}Ca (^{137}Ba)- ^{137}Ba (^{137}Ba) anticoincidence counting measurements. Applied Radiation and Isotopes, 2018, 134, 307-311.	0.7	4
60	A dual energy micro-CT methodology for visualization and quantification of biofilm formation and dentin demineralization. Archives of Oral Biology, 2018, 85, 10-15.	0.8	12
61	Untouched canal areas and debris accumulation after root canal preparation with rotary and adaptive systems. Australian Endodontic Journal, 2018, 44, 260-266.	0.6	27
62	Utilization of nondestructive techniques for analysis of the Martian meteorite <sc>NWA</sc> 6963 and its implications for astrobiology. X-Ray Spectrometry, 2018, 47, 86-91.	0.9	6
63	Micro-CT in an ectopic pregnancy: New radiological and microscopical perspectives (and level) in the study of the Fallopian tube. European Journal of Radiology, 2018, 98, 171-173.	1.2	5
64	ABSOLUTE STANDARDIZATION OF ^{22}Na , ^{65}Zn and ^{60}Co BY SUM-PEAK METHOD AND CRITICAL ANALYSIS OF INSTRUMENTATION: <i>Journal of Physics: Conference Series</i> . Journal of Physics: Conference Series, 2018, 1044, 012006.	0.3	0
65	Exposing all the decay paths of ^{152}Eu and their probabilities. Journal of Physics: Conference Series, 2018, 1044, 012032.	0.3	0
66	MicroCT parameters for multimaterial elements assessment. Journal of Physics: Conference Series, 2018, 975, 012053.	0.3	1
67	Characterizing the Trabecular Bone Tissue of the Toco Toucan Bill. , 2018, , .		0
68	Multiple factors behind early diversification of skull morphology in the continental radiation of New World monkeys*. Evolution; International Journal of Organic Evolution, 2018, 72, 2697-2711.	1.1	14
69	Laser-induced wettability alteration in limestone rocks. Materials Today Communications, 2018, 17, 332-340.	0.9	2
70	Representative elementary volume in limestone sample. Journal of Instrumentation, 2018, 13, C10003-C10003.	0.5	8
71	Evaluation of the influence of acquisition parameters of microtomography in image quality applied by carbonate rocks. Journal of Physics: Conference Series, 2018, 975, 012054.	0.3	0
72	^{65}Zn and ^{133}Ba standardizing by photon-photon coincidence counting. Journal of Physics: Conference Series, 2018, 975, 012040.	0.3	0

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73	Determination of a neutron beam divergence after the rocking curve concept using Richardson's Lucy's unfolding algorithm. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2018, 908, 172-181.	0.7	0
74	EXPERIMENTAL AND COMPUTATIONAL EVALUATION OF EFFECTIVE CENTRE FROM A LONG COUNTER AT NEUTRON METROLOGY LABORATORY IN BRAZIL. Radiation Protection Dosimetry, 2018, 180, 37-41.	0.4	1
75	Micro-computed Tomography Shaping Ability Assessment of the New Blue Thermal Treated Reciprocal Instrument. Journal of Endodontics, 2018, 44, 1146-1150.	1.4	35
76	Accuracy of visual and image-based ICDAS criteria compared with a micro-CT gold standard for caries detection on occlusal surfaces. Brazilian Oral Research, 2018, 32, e60.	0.6	10
77	Reassessment of the enigmatic crocodyliform "Goniopholis" paulistanus Roxo, 1936: Historical approach, systematic, and description by new materials. PLoS ONE, 2018, 13, e0199984.	1.1	18
78	X-Ray Digital Radiography to Study Gold-Silver Nose Decorations from the Moche Tomb of the Lady of Cao. Journal of Nondestructive Evaluation, 2018, 37, 1.	1.1	5
79	Influence of biological activity on ⁶⁵ Zn and ¹⁰⁹ Cd removal from tidal water by chronically-polluted mangrove sediments. Journal of Radioanalytical and Nuclear Chemistry, 2018, 316, 429-434.	0.7	1
80	Optimization of image resolution parameters to characterize carbonate rocks through representative elementary volume analysis. Journal of Instrumentation, 2018, 13, C06001-C06001.	0.5	0
81	Zika virus impairs the development of blood vessels in a mouse model of congenital infection. Scientific Reports, 2018, 8, 12774.	1.6	49
82	Sensitometric curve of radiographic films by X-ray fluorescence. Journal of Physics: Conference Series, 2018, 975, 012037.	0.3	0
83	Laser-induced alteration of microstructural and microscopic transport properties in porous materials: Experiment, modeling and analysis. Materials and Design, 2018, 155, 307-316.	3.3	4
84	Standardization of ¹⁰⁶ Ru/ ⁹⁰ Sr by live-timed anticoincidence counting and gamma emission determination. Applied Radiation and Isotopes, 2017, 122, 37-40.	0.7	4
85	Micro-computed Tomography Assessment of Dentinal Micro-cracks after Root Canal Preparation with TRUShape and Self-adjusting File Systems. Journal of Endodontics, 2017, 43, 619-622.	1.4	39
86	Multielement concentration analysis of Swiss mice brains on experimental model of Alzheimer's disease induced by β -amyloid oligomers. X-Ray Spectrometry, 2017, 46, 397-402.	0.9	2
87	X-ray microtomography system for small and light samples using a flat panel detector. Review of Scientific Instruments, 2017, 88, 105112.	0.6	5
88	Dentinal Microcrack Development after Canal Preparation: A Longitudinal in Situ Micro-computed Tomography Study Using a Cadaver Model. Journal of Endodontics, 2017, 43, 1553-1558.	1.4	53
89	Visualization method for radiographic films through silver intensity mapping using X-ray fluorescence. X-Ray Spectrometry, 2017, 46, 361-366.	0.9	4
90	Zinc distribution in human prostate carcinoma cell line using synchrotron X-ray microfluorescence. X-Ray Spectrometry, 2017, 46, 403-411.	0.9	1

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91	The bone degenerative processes in senile fishes from Holocene Brazilian shell mounds. <i>Journal of Fish Diseases</i> , 2017, 40, 1869-1881.	0.9	8
92	Reducing the spatial resolution range of neutron radiographs cast by thick objects. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2017, 871, 127-134.	0.7	0
93	Archeological ceramic artifacts characterization through computed microtomography and X-ray fluorescence. <i>X-Ray Spectrometry</i> , 2017, 46, 427-434.	0.9	21
94	Micro-CT assessment of dentinal microcracks after root canal filling procedures. <i>International Endodontic Journal</i> , 2017, 50, 895-901.	2.3	23
95	Neogene Proto-Caribbean porcupinefishes (Diodontidae). <i>PLoS ONE</i> , 2017, 12, e0181670.	1.1	16
96	Radiography and transmission measurements on gold and silver from the moche tomb "Señora de Cao". <i>Radiology and Diagnostic Imaging</i> , 2017, 1, .	0.2	9
97	METAL SORPTION BY SEDIMENTS FROM A MANGROVE REFORESTATION AREA IN GUANABARA BAY (SE BRAZIL) REVEALED BY USING RADIOTRACERS. <i>Journal of Sedimentary Environments</i> , 2016, 1, .	0.7	2
98	New thermal neutron calibration channel at LNMRI/IRD. <i>Journal of Physics: Conference Series</i> , 2016, 733, 012080.	0.3	1
99	TDCR and CIEMAT/NIST Liquid Scintillation Methods applied to the Radionuclide Metrology. <i>Journal of Physics: Conference Series</i> , 2016, 733, 012099.	0.3	3
100	On the Causality Between Dentinal Defects and Root Canal Preparation: A Micro-CT Assessment. <i>Brazilian Dental Journal</i> , 2016, 27, 664-669.	0.5	36
101	Activity determination of a ^{201}Tl solution by ^{122}I and sum-peak coincidence methods. <i>Journal of Physics: Conference Series</i> , 2016, 733, 012082.	0.3	0
102	Determination of the ^{121}Te gamma emission probabilities associated with the production process of radiopharmaceutical NaI^{123}I . <i>Journal of Physics: Conference Series</i> , 2016, 733, 012097.	0.3	0
103	Analysis of the spectacular gold and silver from the Moche tomb "Señora de Cao". <i>X-Ray Spectrometry</i> , 2016, 45, 138-154.	0.9	33
104	Determination of impurities in ^{124}I samples by high resolution gamma spectrometry. <i>Applied Radiation and Isotopes</i> , 2016, 109, 261-263.	0.7	0
105	Evaluation of the efficiency curve of a Cadmium Telluride detector for low-energy photon spectrometry. <i>Applied Radiation and Isotopes</i> , 2016, 116, 157-162.	0.7	1
106	A novel methodology to determine the divergence of a neutron beam. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2016, 838, 129-136.	0.7	2
107	Analysis by raman spectroscopy and XRF of glass beads from excavations in the harbor area of rio de janeiro, Brazil. <i>Vibrational Spectroscopy</i> , 2016, 87, 111-115.	1.2	8
108	Multielement analysis in serum of healthy population of the metropolitan region of Rio de Janeiro in Brazil by SRTXRF. <i>X-Ray Spectrometry</i> , 2016, 45, 14-18.	0.9	3

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109	Is the morphology and activity of the occlusal carious lesion related to the lesion progression stage?. Archives of Oral Biology, 2016, 72, 33-38.	0.8	6
110	Absolute standardization of the impurity ¹²¹ Te associated to the production of the radiopharmaceutical ¹²³ I. Applied Radiation and Isotopes, 2016, 109, 389-392.	0.7	3
111	Analysis of subterranean Pre-salt carbonate reservoir by X-ray computed microtomography. Journal of Petroleum Science and Engineering, 2016, 144, 113-120.	2.1	10
112	Analysis of clay smoking pipes from archeological sites in the region of the Guanabara Bay (Rio de Janeiro). Applied Radiation and Isotopes, 2016, 110, 160-163.	2.0	7
113	Porous media investigation before and after hydrochloric acid injection on a pre-salt carbonate coquinas sample. Applied Radiation and Isotopes, 2016, 110, 160-163.	0.7	4
114	Analysis of a Brazilian baroque sculpture using Raman spectroscopy and FT-IR. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2016, 154, 67-71.	2.0	18
115	Study of the differential response to zinc of prostate cell spheroids using the synchrotron radiation X-ray microfluorescence technique. X-Ray Spectrometry, 2015, 44, 204-208.	0.9	0
116	The structure of two-layered objects reconstructed using EDXRF analysis and internal X-ray ratios. X-Ray Spectrometry, 2015, 44, 233-238.	0.9	24
117	Improving the quality of radiographic images acquired with conical radiation beams through divergence correction and filtering. Journal of Physics: Conference Series, 2015, 630, 012013.	0.3	1
118	A Methodology for Obtaining the Mean Glandular Dose in Mammography Exams. Journal of Physics: Conference Series, 2015, 575, 012026.	0.3	0
119	A stopping criterion to halt iterations at the Richardson-Lucy deconvolution of radiographic images. Journal of Physics: Conference Series, 2015, 630, 012003.	0.3	2
120	Micro-CT Evaluation of Non-instrumented Canal Areas with Different Enlargements Performed by NiTi Systems. Brazilian Dental Journal, 2015, 26, 624-629.	0.5	70
121	Analysis of sculptures using XRF and X-ray radiography. Radiation Physics and Chemistry, 2015, 116, 326-331.	1.4	21
122	Comparison of ^{99m} Tc activity measurements at LNMRI using SIRT1 of the BIPM, a new instrument for comparing short-lived radionuclides. Journal of Radioanalytical and Nuclear Chemistry, 2015, 306, 599-605.	0.7	0
123	Homogeneity study of a corn flour laboratory reference material candidate for inorganic analysis. Food Chemistry, 2015, 178, 287-291.	4.2	18
124	Mineralogy evaluation and segmentation using dual-energy microtomography. X-Ray Spectrometry, 2015, 44, 99-104.	0.9	10
125	Accumulated Hard Tissue Debris Produced during Reciprocating and Rotary Nickel-Titanium Canal Preparation. Journal of Endodontics, 2015, 41, 676-681.	1.4	81
126	X-ray imaging inspection of fiberglass reinforced by epoxy composite. Nuclear Instruments & Methods in Physics Research B, 2015, 349, 184-191.	0.6	21

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127	Caries removal effectiveness of a papain-based chemo-mechanical agent: A quantitative micro-CT study. Scanning, 2015, 37, 258-264.	0.7	5
128	Gamma transmission system for detection of scale in oil exploration pipelines. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2015, 784, 616-620.	0.7	29
129	Micro-computed Tomographic Assessment on the Effect of ProTaper Next and Twisted File Adaptive Systems on Dentinal Cracks. Journal of Endodontics, 2015, 41, 1116-1119.	1.4	109
130	Exploiting the potential of free software to evaluate root canal biomechanical preparation outcomes through micro-CT images. International Endodontic Journal, 2015, 48, 1033-1042.	2.3	45
131	Study of Response to Zinc in Human Prostate Spheroids Using X-Ray Microfluorescence. IEEE Transactions on Instrumentation and Measurement, 2015, 64, 2121-2126.	2.4	1
132	Influence of bone architecture on the primary stability of different mini-implant designs. American Journal of Orthodontics and Dentofacial Orthopedics, 2015, 147, 45-51.	0.8	23
133	X-ray microtomography of hydrochloric acid propagation in carbonate rocks. Applied Radiation and Isotopes, 2015, 96, 129-134.	0.7	15
134	X-Ray diffraction technique applied to study of residual stresses after welding of duplex stainless steel plates. Materials Research, 2014, 17, 64-69.	0.6	12
135	An algorithm to unveil the inner structure of objects concealed by beam divergence in radiographic image acquisition systems. , 2014, , .		0
136	Enhancing the quality of radiographic images acquired with point-like gamma-ray sources through correction of the beam divergence and attenuation. , 2014, , .		0
137	Study of Mechanical Behavior of Components of Duplex Steel by Using of X-Ray Diffraction Technique. Materials Science Forum, 2014, 775-776, 582-587.	0.3	0
138	Multielemental analysis of samples from patients with dermatological pathologies using synchrotron radiation. Radiation Physics and Chemistry, 2014, 95, 317-319.	1.4	3
139	Lack of Causal Relationship between Dentinal Microcracks and Root Canal Preparation with Reciprocation Systems. Journal of Endodontics, 2014, 40, 1447-1450.	1.4	153
140	Removal efficiency of ⁷⁵ Se, ⁵¹ Cr and ⁶⁰ Co from tidal water by mangrove sediments from Sepetiba Bay (SE Brazil). Journal of Radioanalytical and Nuclear Chemistry, 2014, 299, 357-361.	0.7	3
141	Tritium (³ H) as a tracer for monitoring the dispersion of conservative radionuclides discharged by the Angra dos Reis nuclear power plants in the Piraquara de Fora Bay, Brazil. Journal of Environmental Radioactivity, 2014, 136, 169-173.	0.9	9
142	Thermal neutron calibration channel at LNMRI/IRD. Radiation Protection Dosimetry, 2014, 161, 185-189.	0.4	4
143	Study of human prostate spheroids treated with zinc using X ray microfluorescence. , 2014, , .		2
144	Elemental concentration analysis in prostate tissues using total reflection X-ray fluorescence. Radiation Physics and Chemistry, 2014, 95, 62-64.	1.4	25

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145	Effect of 3d computed microtomography resolution on reservoir rocks. Radiation Physics and Chemistry, 2014, 95, 405-407.	1.4	17
146	Using computational modeling to compare X-ray tube Practical Peak Voltage for Dental Radiology. Radiation Physics and Chemistry, 2014, 95, 264-266.	1.4	0
147	Assessing Accumulated Hard-tissue Debris Using Micro-computed Tomography and Free Software for Image Processing and Analysis. Journal of Endodontics, 2014, 40, 271-276.	1.4	47
148	Kinetics of trace metal removal from tidal water by mangrove sediments under different redox conditions. Radiation Physics and Chemistry, 2014, 95, 336-338.	1.4	3
149	Scale analysis using X-ray microfluorescence and computed radiography. Radiation Physics and Chemistry, 2014, 95, 408-411.	1.4	16
150	Primary activity standardization of ⁹⁹ Tc by three different absolute methods. Applied Radiation and Isotopes, 2014, 87, 175-178.	0.7	3
151	Development and Characterization of a Portable Total Reflection X-ray Fluorescence System Using a Waveguide for Trace Elements Analysis. Analytical Sciences, 2014, 30, 955-960.	0.8	4
152	Distribution of Fe, Cu and Zn in Cellular Spheroid Derived Human Prostate Tumor Cells by Synchrotron X-Ray Fluorescence. IEEE Transactions on Nuclear Science, 2013, 60, 758-762.	1.2	9
153	Multilayered artifacts in the pre-Columbian metallurgy from the North of Peru. Applied Physics A: Materials Science and Processing, 2013, 113, 889-903.	1.1	23
154	Determination of low Z in human serum of patients with Idiopathic Thrombocytopenic Purpura by total reflection X-ray fluorescence. X-Ray Spectrometry, 2013, 42, 312-315.	0.9	4
155	Radiotracer estimates of benthic activity effects on trace metal diffusion into mangrove sediments. Marine Environmental Research, 2013, 83, 96-100.	1.1	8
156	Radiation dose in cardiac CT angiography: protocols and image quality. Radiation Protection Dosimetry, 2013, 155, 73-80.	0.4	5
157	A comparative study of automatic thresholding approaches for 3D x-ray microtomography of trabecular bone. Medical Physics, 2013, 40, 091903.	1.6	12
158	Elemental concentrations in skin of patients with fibroepithelial polip using synchrotron radiation total reflection x-ray fluorescence. , 2012, , .		0
159	Spatial distribution of elements in the spheroids by prostate tumor cells using synchrotron radiation x-ray fluorescence. , 2012, , .		0
160	Selenium, Chromium and Cobalt Diffusion into Mangrove Sediments: Radiotracer Experiment Evidence of Coupled Effects of Bioturbation and Rhizosphere. Water, Air, and Soil Pollution, 2012, 223, 3887-3892.	1.1	13
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