

Piero A Salvadori

List of Publications by Year in descending order

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105
papers

3,892
citations

147726

31
h-index

133188

59
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107
all docs

107
docs citations

107
times ranked

4364
citing authors

#	ARTICLE	IF	CITATIONS
1	Alveolar Bone Remodeling with or without Collagen Filling of the Extraction Socket: A High-Resolution X-ray Tomography Animal Study. <i>Journal of Clinical Medicine</i> , 2022, 11, 2493.	1.0	6
2	Preliminary Investigation of a Novel ¹⁸ F Radiopharmaceutical for Imaging CB2 Receptors in a SOD Mouse Model. <i>Australian Journal of Chemistry</i> , 2021, 74, 443.	0.5	4
3	Numerical simulation of novel concept 4D cardiac microtomography for small rodents based on all-optical Thomson scattering X-ray sources. <i>Scientific Reports</i> , 2019, 9, 8439.	1.6	8
4	Combined Effect of Fatty Diet and Cognitive Decline on Brain Metabolism, Food Intake, Body Weight, and Counteraction by Intranasal Insulin Therapy in 3 β -Tg Mice. <i>Frontiers in Cellular Neuroscience</i> , 2019, 13, 188.	1.8	20
5	Elevated glycemia and brain glucose utilization predict BDNF lowering since early life. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2018, 38, 447-455.	2.4	12
6	Maternal Obesity and Cardiac Development in the Offspring. <i>JACC: Cardiovascular Imaging</i> , 2018, 11, 1750-1755.	2.3	29
7	Digital liver biopsy: Bio-imaging of fatty liver for translational and clinical research. <i>World Journal of Hepatology</i> , 2018, 10, 231-245.	0.8	18
8	Letter to the editor: Reply to Hardy & Buckley: Earliest evidence of bitumen from <i>Homo</i> sp. teeth is from El Sidro'n. <i>American Journal of Physical Anthropology</i> , 2017, 164, 214-215.	2.1	0
9	The dawn of dentistry in the late upper Paleolithic: An early case of pathological intervention at Riparo Fredian. <i>American Journal of Physical Anthropology</i> , 2017, 163, 446-461.	2.1	28
10	3D enamel thickness in Neandertal and modern human permanent canines. <i>Journal of Human Evolution</i> , 2017, 113, 162-172.	1.3	28
11	NEMA NU-4 Performance Evaluation of the IRIS PET/CT Preclinical Scanner. <i>IEEE Transactions on Radiation and Plasma Medical Sciences</i> , 2017, 1, 301-309.	2.7	31
12	A Neanderthal deciduous human molar with incipient carious infection from the Middle Palaeolithic De Nadale cave, Italy. <i>American Journal of Physical Anthropology</i> , 2017, 162, 370-376.	2.1	20
13	Magnetically driven nanoparticles: ¹⁸ F-FDG radiolabelling and positron emission tomography biodistribution study. <i>Contrast Media and Molecular Imaging</i> , 2016, 11, 561-571.	0.4	8
14	In vitro study of human proximal femur microstructure: analysis of the relationship between micro-computed tomography data and quantitative ultrasound parameters. <i>IET Science, Measurement and Technology</i> , 2016, 10, 193-199.	0.9	6
15	Toward PET imaging of A2B adenosine receptors: a carbon-11 labeled triazinobenzimidazole tracer. <i>Nuclear Medicine and Biology</i> , 2016, 43, 309-317.	0.3	10
16	A reexamination of the Middle Paleolithic human remains from Riparo Tagliente, Italy. <i>Quaternary International</i> , 2016, 425, 437-444.	0.7	15
17	Middle paleolithic human deciduous incisor from Grotta del Cavallo, Italy. <i>American Journal of Physical Anthropology</i> , 2016, 161, 506-512.	2.1	14
18	Guidelines to PET measurements of the target occupancy in the brain for drug development. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2016, 43, 2255-2262.	3.3	28

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19	Synthesis and In Vivo Imaging of N-(3-[¹¹ C]Methoxybenzyl)-2-(3-Methoxyphenyl)ethylaniline as a Potential Targeting Agent for P-glycoprotein. <i>Molecular Imaging and Biology</i> , 2016, 18, 916-923.	1.3	0
20	Magnetic resonance imaging for the study of mummies. <i>Magnetic Resonance Imaging</i> , 2016, 34, 785-794.	1.0	10
21	Magnetic resonance spectroscopy and imaging for the study of fossils. <i>Magnetic Resonance Imaging</i> , 2016, 34, 730-742.	1.0	10
22	Maternal high-fat feeding leads to alterations of brain glucose metabolism in the offspring: positron emission tomography study in a porcine model. <i>Diabetologia</i> , 2016, 59, 813-821.	2.9	17
23	Performance evaluation of the CT component of the IRIS PET/CT preclinical tomograph. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2016, 805, 135-144.	0.7	4
24	Three-dimensional parametric mapping in quantitative micro-CT imaging of post-surgery femoral head-neck samples: preliminary results. <i>Clinical Cases in Mineral and Bone Metabolism</i> , 2015, 12, 243-6.	1.0	1
25	Quantitative micro-CT based coronary artery profiling using interactive local thresholding and cylindrical coordinates. <i>Technology and Health Care</i> , 2015, 23, 557-570.	0.5	7
26	Design, synthesis and preliminary evaluation of ¹⁸ F-labelled 1,8-naphthyridin- and quinolin-2-one-3-carboxamide derivatives for PET imaging of CB2 cannabinoid receptor. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2015, 25, 2532-2535.	1.0	19
27	Piscivory in a Miocene Cetotheriidae of Peru: first record of fossilized stomach content for an extinct baleen-bearing whale. <i>Die Naturwissenschaften</i> , 2015, 102, 70.	0.6	46
28	Identification of chemical byproducts in the radiofluorination of structurally complex arylodonium salts. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2015, 303, 1021-1027.	0.7	1
29	The makers of the Protoaurignacian and implications for Neandertal extinction. <i>Science</i> , 2015, 348, 793-796.	6.0	153
30	Effects of long time exposure to simulated micro- and hypergravity on skeletal architecture. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2015, 51, 1-12.	1.5	27
31	Evaluation of the Effect of a Gamma Irradiated DBM-Pluronic F127 Composite on Bone Regeneration in Wistar Rat. <i>PLoS ONE</i> , 2015, 10, e0125110.	1.1	28
32	The role of quality management system in the monitoring and continuous improvement of GMP-regulated short-lived radiopharmaceutical manufacture. <i>Accreditation and Quality Assurance</i> , 2014, 19, 343-354.	0.4	0
33	A historical case of amelogenesis imperfecta: <sc>G</sc>iovanna of <sc>A</sc>ustria, <sc>G</sc>rand <sc>D</sc>uchess of <sc>T</sc>uscany (1547â€”1578). <i>European Journal of Oral Sciences</i> , 2014, 122, 1-6.	0.7	4
34	Performances of a TRACERlab FX C synthesis module using a Ni-nanopowder/molecular sieves mixed catalyst. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2014, 299, 2005-2011.	0.7	2
35	Independent effects of circulating glucose, insulin and NEFA on cardiac triacylglycerol accumulation and myocardial insulin resistance in a swine model. <i>Diabetologia</i> , 2014, 57, 1937-1946.	2.9	8
36	Optimization of nucleophilic ¹⁸ F radiofluorinations using a microfluidic reaction approach. <i>Nature Protocols</i> , 2014, 9, 2017-2029.	5.5	23

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37	Hardware and software modifications on the Advion NanoTek microfluidic platform to extend flexibility for radiochemical synthesis. <i>Applied Radiation and Isotopes</i> , 2014, 84, 40-47.	0.7	17
38	Effects of single and fractionated low-dose irradiation on vascular endothelial cells. <i>Atherosclerosis</i> , 2014, 235, 510-518.	0.4	60
39	Tolerance of Water in Microfluidic Radiofluorinations: A Potential Methodological Shift?. <i>Journal of Flow Chemistry</i> , 2014, 4, 86-91.	1.2	10
40	Radiochemistry on chip: towards dose-on-demand synthesis of PET radiopharmaceuticals. <i>Lab on A Chip</i> , 2013, 13, 2328.	3.1	58
41	Purification of 2-[18F]fluoro-2-deoxy-d-glucose by on-chip solid-phase extraction. <i>Journal of Chromatography A</i> , 2013, 1280, 117-121.	1.8	18
42	Microfluidics in radiopharmaceutical chemistry. <i>Nuclear Medicine and Biology</i> , 2013, 40, 776-787.	0.3	188
43	MicroPET/CT imaging of $\alpha_v\beta_3$ integrin via a novel ^{68}Ga -NOTA-RGD peptidomimetic conjugate in rat myocardial infarction. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2013, 40, 1265-1274.	3.3	38
44	Implementation of Good Manufacturing Practice in small-volume production of [18F]FDG: a case report of performance measurements. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2012, 293, 757-762.	0.7	4
45	Positron Emission Tomography Radiosynthesis in Microreactors. <i>Journal of Flow Chemistry</i> , 2012, 2, 37-42.	1.2	23
46	Similar patterns of myocardial metabolism and perfusion in patients with type 2 diabetes and heart disease of ischaemic and non-ischaemic origin. <i>Diabetologia</i> , 2012, 55, 2494-2500.	2.9	6
47	Implementation of a quality assurance system according to GMP and ISO 9001:2008 standard for radiopharmaceutical production in a public research centre. <i>Accreditation and Quality Assurance</i> , 2012, 17, 341-348.	0.4	11
48	Analysis of image sharpness reproducibility on a novel engineered micro-CT scanner with variable geometry and embedded recalibration software. <i>Physica Medica</i> , 2012, 28, 166-173.	0.4	29
49	[11C]diclofenac sodium: synthesis and PET assessment of transdermal penetration. <i>Nuclear Medicine and Biology</i> , 2011, 38, 181-189.	0.3	6
50	Dose-on-demand of diverse 18F-fluorocholesterol derivatives through a two-step microfluidic approach. <i>Nuclear Medicine and Biology</i> , 2011, 38, 637-644.	0.3	53
51	Contribution of organ blood flow, intrinsic tissue clearance and glycaemia to the regulation of glucose use in obese and type 2 diabetic rats: A PET study. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2011, 21, 726-732.	1.1	9
52	A micro-PET/CT approach using O-(2-[18F]fluoroethyl)-L-tyrosine in an experimental animal model of F98 glioma for BNCT. <i>Applied Radiation and Isotopes</i> , 2011, 69, 1717-1720.	0.7	12
53	Radioactivity resistance evaluation of polymeric materials for application in radiopharmaceutical production at microscale. <i>Microfluidics and Nanofluidics</i> , 2011, 11, 35-44.	1.0	16
54	On-chip pre-concentration and complexation of [18F]fluoride ions via regenerable anion exchange particles for radiochemical synthesis of Positron Emission Tomography tracers. <i>Journal of Chromatography A</i> , 2011, 1218, 4714-4719.	1.8	27

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55	Fabrication of SU-8 microreactors for radiopharmaceutical production. <i>Microelectronic Engineering</i> , 2011, 88, 1664-1667.	1.1	12
56	Structural Abnormalities of the Coronary Arterial Wall "in Addition to Luminal Narrowing" Affect Myocardial Blood Flow Reserve. <i>Journal of Nuclear Medicine</i> , 2011, 52, 1704-1712.	2.8	48
57	Maternal and Sex Dependency of Insulin Resistance: Longitudinal PET and Echocardiography Study from the Healthy Fetus to the Adult Minipig. <i>Journal of Nuclear Medicine</i> , 2011, 52, 1993-2000.	2.8	2
58	A Dose-Response Elevation in Hepatic Glucose Uptake is Paralleled by Liver Triglyceride Synthesis and Release. <i>Endocrine Research</i> , 2011, 36, 9-18.	0.6	5
59	Brain Glucose Overexposure and Lack of Acute Metabolic Flexibility in Obesity and Type 2 Diabetes: A PET-[18F]FDG Study in Zucker and ZDF Rats. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2010, 30, 895-899.	2.4	18
60	Development of an automated modular system for the synthesis of [11C]acetate. <i>Nuclear Medicine Communications</i> , 2010, 31, 1033-1039.	0.5	6
61	Fatty Acid Metabolism in the Liver, Measured by Positron Emission Tomography, Is Increased in Obese Individuals. <i>Gastroenterology</i> , 2010, 139, 846-856.e6.	0.6	144
62	Microfluidic approach for fast labeling optimization and dose-on-demand implementation. <i>Nuclear Medicine and Biology</i> , 2010, 37, 547-555.	0.3	74
63	Analytical procedure for mapping the distribution of 10B and 99Tc markers in cryo-sections of animal tissue samples by secondary ion mass spectrometry. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2009, 64, 911-920.	1.5	4
64	Positron emission tomography and [18F]BPA: A perspective application to assess tumour extraction of boron in BNCT. <i>Applied Radiation and Isotopes</i> , 2009, 67, S351-S354.	0.7	26
65	In vitro neutron irradiation of glioma and endothelial cultured cells. <i>Applied Radiation and Isotopes</i> , 2009, 67, S336-S340.	0.7	9
66	Imaging and Laboratory Biomarkers in Cardiovascular Disease. <i>Current Pharmaceutical Design</i> , 2009, 15, 1131-1141.	0.9	9
67	Boron analysis and boron imaging in biological materials for Boron Neutron Capture Therapy (BNCT). <i>Critical Reviews in Oncology/Hematology</i> , 2008, 68, 66-90.	2.0	117
68	Guideline to regulations for radiopharmaceuticals in early phase clinical trials in the EU. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2008, 35, 2144-2151.	3.3	78
69	Expression analysis of facilitative glucose transporters (GLUTs) in human thyroid carcinoma cell lines and primary tumors. <i>Molecular and Cellular Endocrinology</i> , 2008, 291, 57-62.	1.6	54
70	Mismatch between uniform increase in cardiac glucose uptake and regional contractile dysfunction in pacing-induced heart failure. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2007, 293, H2747-H2756.	1.5	55
71	POSITRON EMISSION TOMOGRAPHY APPLICATION TO DRUG DEVELOPMENT AND RESEARCH. , 2007, , 341-351.		0
72	Biodistribution of the fatty acid analogue 18F-FTHA: plasma and tissue partitioning between lipid pools during fasting and hyperinsulinemia. <i>Journal of Nuclear Medicine</i> , 2007, 48, 455-62.	2.8	21

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73	[11C]palmitate kinetics across the splanchnic bed in arterial, portal and hepatic venous plasma during fasting and euglycemic hyperinsulinemia. <i>Nuclear Medicine and Biology</i> , 2006, 33, 521-528.	0.3	18
74	18F-FDG assessment of glucose disposal and production rates during fasting and insulin stimulation: a validation study. <i>Journal of Nuclear Medicine</i> , 2006, 47, 1016-22.	2.8	33
75	Use of 1,8-bis-(dimethylamino)-naphthalene/H18F complex as new radiofluorinating agent. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2004, 47, 373-383.	0.5	15
76	Baseline/post-nitrate Tc-99m tetrofosmin mismatch for the assessment of myocardial viability in patients with severe left ventricular dysfunction: comparison with baseline Tc-99m tetrofosmin scintigraphy/FDG PET imaging. <i>Journal of Nuclear Cardiology</i> , 2004, 11, 142-151.	1.4	18
77	Prognostic Role of Myocardial Blood Flow Impairment in Idiopathic Left Ventricular Dysfunction. <i>Circulation</i> , 2002, 105, 186-193.	1.6	401
78	Significance of both negative T waves and stress-induced normalization of the repolarization phase in infarcted patients: a positron-emission-tomography assessment of regulation of myocardial blood flow and viability of myocardium. <i>Coronary Artery Disease</i> , 2001, 12, 205-215.	0.3	5
79	28. Accuracy of Qualitative and Semiquantitative Analysis of 18FDG Positron Emission Tomography Scans in the Evaluation of Primary and Metastatic Lesions. <i>Molecular Imaging and Biology</i> , 2000, 3, 182.	0.3	6
80	Synthesis and characterization of the tetraazamacrocyclic complex [Cu(Me2DO2A)]. A new 64Cu-labeled macrocyclic complex for positron emission tomography imaging. <i>Dalton Transactions RSC</i> , 2000, , 2393-2401.	2.3	23
81	Role of 2-[18F]-Fluorodeoxyglucose (FDG) Positron Emission Tomography (PET) in the Early Assessment of Response to Chemotherapy in Metastatic Breast Cancer Patients. <i>Clinical Breast Cancer</i> , 2000, 1, 156-161.	1.1	90
82	Effects of Long-term Treatment with Verapamil on Left Ventricular Function and Myocardial Blood Flow in Patients with Dilated Cardiomyopathy Without Overt Heart Failure. <i>Journal of Cardiovascular Pharmacology</i> , 2000, 36, 744-750.	0.8	18
83	Phantom dosimeters examined by NMR analysis: a promising technique for 3-D determination of absorbed dose. <i>Applied Radiation and Isotopes</i> , 1997, 48, 1477-1484.	0.7	16
84	EEG, PET, SPET and MRI in intractable childhood epilepsies: possible surgical correlations. <i>Child's Nervous System</i> , 1995, 11, 672-678.	0.6	14
85	Microvascular dysfunction in collateral-dependent myocardium. <i>Journal of the American College of Cardiology</i> , 1995, 26, 615-623.	1.2	56
86	Residual coronary reserve identifies segmental viability in patients with wall motion abnormalities. <i>Journal of the American College of Cardiology</i> , 1995, 26, 342-350.	1.2	49
87	Myocardial Blood Flow Response to Pacing Tachycardia and to Dipyridamole Infusion in Patients With Dilated Cardiomyopathy Without Overt Heart Failure. <i>Circulation</i> , 1995, 92, 796-804.	1.6	184
88	Assessment of anatomic and physiological severity of single-vessel coronary artery lesions by dipyridamole echocardiography. Comparison with positron emission tomography and quantitative arteriography. <i>Circulation</i> , 1994, 89, 753-761.	1.6	83
89	Global alteration in perfusion response to increasing oxygen consumption in patients with single-vessel coronary artery disease. <i>Circulation</i> , 1994, 90, 1696-1705.	1.6	73
90	Adrenergically mediated coronary vasoconstriction in patients with Syndrome X. <i>Cardiovascular Drugs and Therapy</i> , 1994, 8, 221-226.	1.3	56

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91	Effect of verapamil on absolute myocardial blood flow in hypertrophic cardiomyopathy. American Journal of Cardiology, 1994, 74, 363-368.	0.7	86
92	Alteration in regulation of myocardial blood flow in one-vessel coronary artery disease determined by positron emission tomography. American Journal of Cardiology, 1993, 72, 538-543.	0.7	77
93	Regional myocardial blood flow in stable angina pectoris associated with isolated significant narrowing of either the left anterior descending or left circumflex coronary artery. American Journal of Cardiology, 1993, 72, 990-994.	0.7	40
94	Tumor Targeting Potential and Metabolism of 5-[125I]Iodo-2'-Deoxyuridine Injected Intratumorally in Patients with Breast Cancer. Annals of the New York Academy of Sciences, 1993, 698, 204-211.	1.8	13
95	Evidence for a systemic defect of resistance-sized arterioles in hypertrophic cardiomyopathy. Coronary Artery Disease, 1993, 4, 67-108.	0.3	12
96	Coronary reserve and exercise ECG in patients with chest pain and normal coronary angiograms.. Circulation, 1992, 86, 179-186.	1.6	120
97	Noninvasive identification of limited coronary flow reserve in hypertrophic cardiomyopathy. Coronary Artery Disease, 1992, 3, 513-522.	0.3	13
98	Coronary vasodilation is impaired in both hypertrophied and nonhypertrophied myocardium of patients with hypertrophic cardiomyopathy: A study with nitrogen-13 ammonia and positron emission tomography. Journal of the American College of Cardiology, 1991, 17, 879-886.	1.2	316
99	Dipyridamole-induced ST segment depression in hypertrophic cardiomyopathy is associated with a reduced coronary flow response. Journal of the American College of Cardiology, 1991, 17, A166.	1.2	1
100	99mTc-Aprotinin for the Study of Renal Morphology and Tubular Function. Uremia Investigation, 1985, 9, 139-146.	0.1	7
101	Measurement of ultraweak chemiluminescence emitted from isolated and perfused rat hearts. Nuovo Cimento Della Societa Italiana Di Fisica D - Condensed Matter, Atomic, Molecular and Chemical Physics, Biophysics, 1984, 3, 936-944.	0.4	2
102	Application of the nucleophilic substitution reaction to the synthesis of No-carrier-added [18F]fluorobenzene and other 18F-labeled aryl fluorides. Journal of Labelled Compounds and Radiopharmaceuticals, 1984, 21, 533-547.	0.5	54
103	Correlation between hydroperoxide-induced chemiluminescence of the heart and its function. Biochimica Et Biophysica Acta - Molecular Cell Research, 1983, 762, 241-247.	1.9	40
104	Chirality influences the biological activity of the sex pheromones of the khapra beetle. Die Naturwissenschaften, 1979, 66, 211-211.	0.6	6
105	Synthesis of the (r)(-)-enantiomers of the pheromone components of several species of trogoderma [coleoptera: dermestidae]. Tetrahedron, 1979, 35, 2039-2042.	1.0	30