

Ralph Santos-oliveira

List of Publications by Year in descending order

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Version: 2024-02-01

109
papers

1,513
citations

361045

20
h-index

433756

31
g-index

110
all docs

110
docs citations

110
times ranked

1896
citing authors

#	ARTICLE	IF	CITATIONS
1	MUC1 aptamer-capped mesoporous silica nanoparticles for controlled drug delivery and radio-imaging applications. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2017, 13, 2495-2505.	1.7	91
2	Graphene and its derivatives: understanding the main chemical and medicinal chemistry roles for biomedical applications. <i>Journal of Nanostructure in Chemistry</i> , 2022, 12, 693-727.	5.3	85
3	Microparticles of Aloe vera/vitamin E/chitosan: Microscopic, a nuclear imaging and an in vivo test analysis for burn treatment. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2014, 86, 292-300.	2.0	48
4	Haemoglobin A1c levels and subsequent cardiovascular disease in persons without diabetes: a meta-analysis of prospective cohorts. <i>Diabetologia</i> , 2011, 54, 1327-1334.	2.9	44
5	Graphene quantum dots unraveling: Green synthesis, characterization, radiolabeling with ^{99m}Tc , in vivo behavior and mutagenicity. <i>Materials Science and Engineering C</i> , 2019, 102, 405-414.	3.8	43
6	Biodistribution of nanoparticles: Initial considerations. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2012, 70, 602-604.	1.4	38
7	Prospective carriers of ^{223}Ra for targeted alpha particle therapy. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2015, 304, 443-447.	0.7	38
8	Development of a photoprotective and antioxidant nanoemulsion containing chitosan as an agent for improving skin retention. <i>Engineering in Life Sciences</i> , 2015, 15, 593-604.	2.0	36
9	Avoiding the mononuclear phagocyte system using human albumin for mesoporous silica nanoparticle system. <i>Microporous and Mesoporous Materials</i> , 2017, 251, 181-189.	2.2	36
10	Radiolabeled nanomaterials for biomedical applications: radiopharmacy in the era of nanotechnology. <i>EJNMMI Radiopharmacy and Chemistry</i> , 2022, 7, 8.	1.8	36
11	Radioactive polymeric nanoparticles for biomedical application. <i>Drug Delivery</i> , 2020, 27, 1544-1561.	2.5	33
12	Revisão da <i>Maytenus ilicifolia</i> Mart. ex Reissek, Celastraceae. Contribuição ao estudo das propriedades farmacológicas. <i>Revista Brasileira De Farmacognosia</i> , 2009, 19, 650-659.	0.6	32
13	Radiolabelled nanohydroxyapatite with ^{99m}Tc : perspectives to nanoradiopharmaceuticals construction. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2014, 42, 88-91.	1.9	32
14	Anti-MUC1 nano-aptamers for triple-negative breast cancer imaging by single-photon emission computed tomography in induced animals: initial considerations. <i>International Journal of Nanomedicine</i> , 2017, Volume 12, 53-60.	3.3	30
15	Decorated Superparamagnetic Iron Oxide Nanoparticles with Monoclonal Antibody and Diethylene-Triamine-Pentaacetic Acid Labeled with Technetium-99m and Gallium-68 for Breast Cancer Imaging. <i>Pharmaceutical Research</i> , 2018, 35, 24.	1.7	29
16	Cytotoxicity, genotoxicity, transplacental transfer and tissue disposition in pregnant rats mediated by nanoparticles: the case of magnetic core mesoporous silica nanoparticles. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2018, 46, 527-538.	1.9	28
17	Development of Novel Nanoparticle for Bone Cancer. <i>Journal of Biomedical Nanotechnology</i> , 2014, 10, 1242-1248.	0.5	24
18	Lycopene used as Anti-inflammatory Nanodrug for the Treatment of Rheumatoid Arthritis: Animal assay, Pharmacokinetics, ABC Transporter and Tissue Deposition. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 188, 110814.	2.5	23

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19	Effect of obesity on biodistribution of nanoparticles. <i>Journal of Controlled Release</i> , 2018, 281, 11-18.	4.8	22
20	Magnetic core mesoporous silica nanoparticles doped with dacarbazine and labelled with ^{99m} Tc for early and differential detection of metastatic melanoma by single photon emission computed tomography. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2018, 46, 1080-1087.	1.9	21
21	Technetium-99m metastable radiochemistry for pharmaceutical applications: old chemistry for new products. <i>Journal of Coordination Chemistry</i> , 2019, 72, 1759-1784.	0.8	21
22	In vivo and in vitro evaluation of octyl methoxycinnamate liposomes. <i>International Journal of Nanomedicine</i> , 2013, 8, 4689.	3.3	20
23	Development, characterization and photobiological activity of nanoemulsion containing zinc phthalocyanine for oral infections treatment. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2020, 211, 112010.	1.7	20
24	Dual Encapsulated Dacarbazine and Zinc Phthalocyanine Polymeric Nanoparticle for Photodynamic Therapy of Melanoma. <i>Pharmaceutical Research</i> , 2021, 38, 335-346.	1.7	20
25	Diagnosing lung cancer using etoposide microparticles labeled with ^{99m} Tc. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2018, 46, 341-345.	1.9	19
26	Polycaprolactone Antimony Nanoparticles as Drug Delivery System for Leishmaniasis. <i>American Journal of Therapeutics</i> , 2019, 26, e12-e17.	0.5	19
27	Aptamer-based nanoparticles for cancer targeting. <i>Journal of Drug Targeting</i> , 2013, 21, 427-434.	2.1	18
28	PPoma Review: Epidemiology, Aetiopathogenesis, Prognosis and Treatment. <i>Diseases (Basel)</i> , 2017, 5, 382-392.	1.0	17
29	Pitfalls With Radiopharmaceuticals. <i>American Journal of the Medical Sciences</i> , 2011, 342, 50-53.	0.4	16
30	Mesoporous silica as multiple nanoparticles systems for inflammation imaging as nano-radiopharmaceuticals. <i>Microporous and Mesoporous Materials</i> , 2017, 239, 426-431.	2.2	16
31	Natural Cellulose Fibers for Surgical Suture Applications. <i>Polymers</i> , 2020, 12, 3042.	2.0	16
32	Senescence and the Impact on Biodistribution of Different Nanosystems: the Discrepancy on Tissue Deposition of Graphene Quantum Dots, Polycaprolactone Nanoparticle and Magnetic Mesoporous Silica Nanoparticles in Young and Elder Animals. <i>Pharmaceutical Research</i> , 2020, 37, 40.	1.7	16
33	Molecular and Cellular Risk Assessment of Healthy Human Cells and Cancer Human Cells Exposed to Nanoparticles. <i>International Journal of Molecular Sciences</i> , 2020, 21, 230.	1.8	16
34	In vivo studies: comparing the administration via and the impact on the biodistribution of radiopharmaceuticals. <i>Nuclear Medicine and Biology</i> , 2014, 41, 772-774.	0.3	15
35	Nanocarriers as phototherapeutic drug delivery system: Appraisal of three different nanosystems in an in vivo and in vitro exploratory study. <i>Photodiagnosis and Photodynamic Therapy</i> , 2018, 21, 43-49.	1.3	15
36	Undesirable Events With Radiopharmaceuticals. <i>Tohoku Journal of Experimental Medicine</i> , 2009, 217, 251-257.	0.5	14

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37	Nanoradiopharmaceuticals for breast cancer imaging: development, characterization, and imaging in induced animals. <i>OncoTargets and Therapy</i> , 2016, Volume 9, 5847-5854.	1.0	14
38	Graphene quantum dots nanoparticles changed the rheological properties of hydrophilic gels (carbopol). <i>Journal of Molecular Liquids</i> , 2019, 287, 110949.	2.3	14
39	Graphene quantum dots decorated with imatinib for leukemia treatment. <i>Journal of Drug Delivery Science and Technology</i> , 2021, 61, 102117.	1.4	14
40	Biodistribution of ^{99m} Tc-PLA/PVA/Atezolizumab nanoparticles for non-small cell lung cancer diagnosis. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2022, 176, 21-31.	2.0	14
41	Radiopharmaceuticals drug interactions: a critical review. <i>Anais Da Academia Brasileira De Ciencias</i> , 2008, 80, 665-675.	0.3	13
42	Rheumatoid arthritis treatment using hydroxychloroquine and methotrexate co-loaded nanomicelles: In vivo results. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021, 206, 111952.	2.5	13
43	The use of Lamivudine-loaded PLGA nanoparticles in the diagnosis of lung cancer: Preparation, characterization, radiolabeling with ^{99m} Tc and cell binding. <i>Journal of Drug Delivery Science and Technology</i> , 2022, 69, 103139.	1.4	13
44	Polymeric nanoparticles and nanomicelles of hydroxychloroquine co-loaded with azithromycin potentiate anti-SARS-CoV-2 effect. <i>Journal of Nanostructure in Chemistry</i> , 2023, 13, 263-281.	5.3	13
45	Development of Nanoaptamers Using a Mesoporous Silica Model Labeled with ^{99m} Tc for Cancer Targeting. <i>Oncology</i> , 2012, 82, 213-217.	0.9	12
46	Radioactive gold nanocluster (¹⁹⁸ -AuNCs) showed inhibitory effects on cancer cells lines. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2020, 48, 1214-1221.	1.9	12
47	Disturbance of cellular homeostasis as a molecular risk evaluation of human endothelial cells exposed to nanoparticles. <i>Scientific Reports</i> , 2021, 11, 3849.	1.6	12
48	Preliminary studies on drug delivery of polymeric primaquine microparticles using the liver high uptake effect based on size of particles to improve malaria treatment. <i>Materials Science and Engineering C</i> , 2021, 128, 112275.	3.8	12
49	Individual and Binary Mixture Toxicity of Five Nanoparticles in Marine Microalga <i>Heterosigma akashiwo</i> . <i>International Journal of Molecular Sciences</i> , 2022, 23, 990.	1.8	12
50	Comparison of biodistribution profile of monoclonal antibodies nanoparticles and aptamers in rats with breast cancer. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2017, 45, 598-601.	1.9	11
51	Nanovesicle-based formulations for photoprotection: a safety and efficacy approach. <i>Nanotechnology</i> , 2019, 30, 345102.	1.3	11
52	SARS-CoV-2 Unrevealed: Ultrastructural and Nanomechanical Analysis. <i>Langmuir</i> , 2021, 37, 10762-10769.	1.6	11
53	Topical Application Effect of the Isolectin Hydrogel (Cramoll 1,4) on Second-Degree Burns: Experimental Model. <i>Journal of Biomedicine and Biotechnology</i> , 2012, 2012, 1-11.	3.0	10
54	Adverse Reactions to Radiopharmaceuticals: A Survey Based on Clinical Cases Using Criteria of Systematic Review. <i>Therapeutic Innovation and Regulatory Science</i> , 2018, 52, 109-113.	0.8	10

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55	[²²³ Ra] RaCl ₂ nanomicelles showed potent effect against osteosarcoma: targeted alpha therapy in the nanotechnology era. <i>Drug Delivery</i> , 2022, 29, 186-191.	2.5	10
56	Microradiopharmaceutical for Metastatic Melanoma. <i>Pharmaceutical Research</i> , 2017, 34, 2922-2930.	1.7	9
57	Anti-inflammatory/infection PLA nanoparticles labeled with technetium 99m for in vivo imaging. <i>Journal of Nanoparticle Research</i> , 2017, 19, 1.	0.8	9
58	Indirect calculation of monoclonal antibodies in nanoparticles using the radiolabeling process with technetium 99 metastable as primary factor: Alternative methodology for the entrapment efficiency. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018, 153, 90-94.	1.4	9
59	New chalcone compound as a promising antileishmanial drug for an old neglected disease: Biological evaluation using radiolabelled biodistribution. <i>Journal of Global Antimicrobial Resistance</i> , 2018, 13, 139-142.	0.9	9
60	Ocreotide Nanoparticles Showed Affinity for In Vivo MIA Paca-2 Inducted Pancreas Ductal Adenocarcinoma Mimicking Pancreatic Polypeptide-Secreting Tumor of the Distal Pancreas (PPoma). <i>Pharmaceutical Research</i> , 2019, 36, 143.	1.7	9
61	The Effect of Nanosystems on ATP-Binding Cassette Transporters: Understanding the Influence of Nanosystems on Multidrug Resistance Protein-1 and P-glycoprotein. <i>International Journal of Molecular Sciences</i> , 2020, 21, 2630.	1.8	9
62	Polytetrafluoroethylene-like Nanoparticles as a Promising Contrast Agent for Dual Modal Ultrasound and X-ray Bioimaging. <i>ACS Biomaterials Science and Engineering</i> , 2021, 7, 1181-1191.	2.6	9
63	Development, Characterization, and In Vivo Evaluation of a Novel Aptamer (Anti-MUC1Y) for Breast Cancer Therapy. <i>Pharmaceutics</i> , 2021, 13, 1239.	2.0	9
64	Nanomicelles of Radium Dichloride [²²³ Ra]RaCl ₂ Co-Loaded with Radioactive Gold [¹⁹⁸ Au]Au Nanoparticles for Targeted Alpha-β Radionuclide Therapy of Osteosarcoma. <i>Polymers</i> , 2022, 14, 1405.	2.0	9
65	Characterization and biodistribution of bevacizumab TPGS-based nanomicelles: Preliminary studies. <i>Journal of Drug Delivery Science and Technology</i> , 2016, 36, 95-98.	1.4	8
66	<i>In loco</i> retention effect of magnetic core mesoporous silica nanoparticles doped with trastuzumab as intralesional nanodrug for breast cancer. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2018, 46, 725-733.	1.9	8
67	Development and biological evaluation of a new nanotheranostic for tuberculosis. <i>Drug Delivery and Translational Research</i> , 2019, 9, 97-105.	3.0	8
68	Factors affecting the biological response of Graphene. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021, 203, 111767.	2.5	7
69	Monoclonal Antibodies: Application in Radiopharmacy. <i>Current Radiopharmaceuticals</i> , 2014, 6, 231-248.	0.3	7
70	Developing a Noninvasive Procedure Using Labeled Monoclonal Antibody Anti-VEGF (Bevacizumab) for Detection of Endometriosis. <i>BioMed Research International</i> , 2015, 2015, 1-4.	0.9	6
71	Diagnosing gastrointestinal stromal tumours by single photon emission computed tomography using nano-radiopharmaceuticals based on bevacizumab monoclonal antibody. <i>Biomedical Physics and Engineering Express</i> , 2016, 2, 045017.	0.6	6
72	Drug metabolism: Comparison of biodistribution profile of holmium in three different compositions in healthy Wistar rats. <i>Applied Radiation and Isotopes</i> , 2016, 112, 27-30.	0.7	6

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73	Application of Technetium 99 Metastable Radioactive Nanosystems: Nanoparticles, Liposomes, and Nanoemulsion for Biomedical Application. <i>Current Pharmacology Reports</i> , 2019, 5, 281-302.	1.5	6
74	Radioactive Gold Nanoparticle in Two Forms (19879Au GNPs and 99mTc-GNPs) for Lung Cancer Antiproliferative Induction and Intralesional Imaging: A Proof of Concept. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2020, 20, 1648-1653.	0.9	6
75	Biomedical application of graphitic carbon nitrides: tissue deposition in vivo, induction of reactive oxygen species (ROS) and cell viability in tumor cells. <i>Nanotechnology</i> , 2021, 32, 435301.	1.3	5
76	Nanoradiopharmaceuticals for Bone Cancer Metastasis Imaging. <i>Current Cancer Drug Targets</i> , 2015, 15, 445-449.	0.8	5
77	História da radiofarmácia e as implicações da Emenda Constitucional N. 49. <i>BJPS: Brazilian Journal of Pharmaceutical Sciences</i> , 2008, 44, 377-382.	0.5	5
78	Nanoparticle conjugated with aptamer anti-MUC1/Y for inflammatory arthritis. <i>Colloids and Surfaces B: Biointerfaces</i> , 2022, 211, 112280.	2.5	5
79	Lycopene as a Multifunctional Platform for the Treatment of Cancer and Inflammation. <i>Revista Brasileira De Farmacognosia</i> , 2022, 32, 321-330.	0.6	5
80	New Insights into Anthelmintic Mechanisms of Action of a Synthetic Peptide: An Ultrastructural and Nanomechanical Approach. <i>Polymers</i> , 2021, 13, 2370.	2.0	4
81	Ga-68 Nanoparticles and Ultra-small Nanoparticle: Next Generation of PET Radiopharmaceuticals?. <i>Current Radiopharmaceuticals</i> , 2018, 11, 123-129.	0.3	4
82	Layer-by-Layer Investigation of Ultrastructures and Biomechanics of Human Cornea. <i>International Journal of Molecular Sciences</i> , 2022, 23, 7833.	1.8	4
83	Radiopharmaceutical Drug Interactions. <i>Revista De Salud Publica</i> , 2008, 10, 477-487.	0.0	3
84	Radiolabeling of Cramoll 1,4: Evaluation of the Biodistribution. <i>International Journal of Peptides</i> , 2011, 2011, 1-3.	0.7	3
85	Pharmacovigilance of radiopharmaceuticals used for prostate and breast cancer in Brazil. <i>Adverse Drug Reaction Bulletin</i> , 2013, 283, 1091-1094.	0.6	3
86	PET Radiopharmaceuticals in Brazil and Belarus: Economic Comparison using the case of 18FDG. <i>Current Radiopharmaceuticals</i> , 2018, 11, 69-72.	0.3	3
87	Using graphene quantum dots for treating radioactive liquid waste. <i>Environmental Science and Pollution Research</i> , 2020, 27, 3508-3512.	2.7	3
88	Intra-articular use of radium dichloride ([223Ra] RaCl2) showed relevant anti-inflammatory response on experimental arthritis model. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2021, 1.	3.3	3
89	Behavior of EDTMP (Ethylene-diaminetetramethylene-phosphonate)- Nanoparticles in Blood: Considerations on the Site of Injection. <i>Current Nanoscience</i> , 2014, 10, 323-325.	0.7	3
90	Radiopharmacokinetics of Graphene Quantum Dots Nanoparticles <i>In vivo</i> : Comparing the Pharmacokinetics Parameters in Long and Short Periods. <i>Current Topics in Medicinal Chemistry</i> , 2022, 22, 2527-2533.	1.0	3

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91	High doses of graphene quantum dots impacts on microcirculation system: An observational study. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2022, 176, 180-187.	2.0	3
92	Dose calculation of radioactive nanoparticles: first considerations for the Design of Theranostic Agents. <i>Biomedical Microdevices</i> , 2018, 20, 93.	1.4	2
93	Nanoradiopharmaceuticals in current molecular medicine. , 2018, , 553-569.		2
94	Distinct Methodologies to Produce Capped Mesoporous Silica with Hydroxyapatite and the Influence in Intracellular Signaling as Cytotoxicity on Human Umbilical Vein Endothelial Cells. <i>Bioengineering</i> , 2021, 8, 125.	1.6	2
95	Preparation of Biodegradable Poly(L-Lactide) (PLA) Nanoparticles Containing DMSA (Dimercaptosuccinic Acid) as Novel Radiopharmaceutical. <i>Advanced Science Letters</i> , 2012, 10, 143-145.	0.2	2
96	Trends in Nanotechnology for in vivo Cancer Diagnosis: Products and Patents. <i>Current Pharmaceutical Design</i> , 2020, 26, 2167-2181.	0.9	2
97	Graphene Quantum Dots for Molecular Radiotherapy: Radiolabeled Graphene Quantum Dots with Radium (223Ra) Showed Potent Effect Against Bone Cancer. <i>Journal of Biomedical Nanotechnology</i> , 2021, 17, 1858-1865.	0.5	2
98	Colorectal Adenocarcinoma: Imaging using 5-Fluoracil Nanoparticles Labeled with Technetium 99 Metastable. <i>Current Pharmaceutical Design</i> , 2019, 25, 3282-3288.	0.9	2
99	Guidance for nuclear medicine staff on radiopharmaceuticals drug interaction. <i>Brazilian Journal of Pharmaceutical Sciences</i> , 2009, 45, 619-624.	1.2	1
100	Surveillance of radiopharmaceuticals in Latin American: an alert. <i>Revista Española De Medicina Nuclear</i> , 2011, 30, 134-136.	0.3	1
101	Obligations, precautions and pending issues in regulatory development for radiopharmaceuticals in Brazil. <i>Brazilian Journal of Pharmaceutical Sciences</i> , 2014, 50, 285-290.	1.2	1
102	Bimodal Ultrasound and X-ray Bioimaging Properties of Particulate Calcium Fluoride Biomaterial. <i>Molecules</i> , 2021, 26, 5447.	1.7	1
103	Can Quality Control of Radiopharmaceuticals be Done Using Water and Ethanol?. <i>Advanced Science Letters</i> , 2012, 10, 140-142.	0.2	1
104	Nanoradiopharmaceuticals: Development of Labeling Process for Polymeric Nanoparticles. <i>Journal of Analytical Oncology</i> , 0, , .	0.1	1
105	Tertiary Nanosystem Composed of Graphene Quantum Dots, Levofloxacin and Silver Nitrate for Microbiological Control. <i>Recent Advances in Drug Delivery and Formulation</i> , 2022, 16, 234-240.	0.3	1
106	Influence of radiation on endotoxin test using the PTS TM for 18-FDG radiopharmaceutical. <i>Brazilian Journal of Pharmaceutical Sciences</i> , 2010, 46, 551-554.	1.2	0
107	Hospital Nuclear Pharmacy Survey: Preliminary Aspects In Brazil. <i>Journal of Young Pharmacists</i> , 2012, 4, 279-281.	0.1	0
108	Withdrawal Notice: Current Drug Trends for the Treatment of the SARS- CoV-2. <i>Coronaviruses</i> , 2020, 01, .	0.2	0

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109	Comparison of Limulus amebocyte lysates with the United States pharmacopeial pyrogen test and the portable test system for radiopharmaceuticals. Journal of AOAC INTERNATIONAL, 2010, 93, 1458-61.	0.7	0