

# Sã©rgio Augusto Lopes De Souza

## List of Publications by Year in descending order

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89  
papers

1,427  
citations

304701

22  
h-index

361001

35  
g-index

89  
all docs

89  
docs citations

89  
times ranked

2433  
citing authors

#	ARTICLE	IF	CITATIONS
1	Rat thyroid graft transplantation after cryopreservation with scintigraphic standardization for an experimental study. <i>Clinics</i> , 2022, 77, 100065.	1.5	0
2	A cost-effective way to reduce the equivalent eye lens dose from Yttrium-90 radiopharmaceuticals. <i>Zeitschrift Fur Medizinische Physik</i> , 2021, 31, 16-22.	1.5	0
3	SPECT performance evaluation on image of Yttrium 90 - Bremsstrahlung using Monte Carlo simulation. <i>Applied Radiation and Isotopes</i> , 2021, 168, 109456.	1.5	0
4	<sup>131</sup> I and <sup>99m</sup> Tc in Effluents from a Nuclear Medicine Facility and Associated Sewage Treatment Unit. <i>Water, Air, and Soil Pollution</i> , 2021, 232, 1.	2.4	5
5	Cryopreserved Rat Thyroid Autotransplantation in the Treatment of Postoperative Hypothyroidism. <i>Frontiers in Endocrinology</i> , 2021, 12, 625173.	3.5	1
6	<sup>99m</sup> Tc-antitumor necrosis factor-alpha scintigraphy for the detection of inflammatory activity in rheumatoid arthritis. <i>Nuclear Medicine Communications</i> , 2021, 42, 389-395.	1.1	3
7	Monitoring the joint health of patients with haemophilia in a middle-income country: Considerations on the use of the Haemophilia Joint Health Score. <i>Haemophilia</i> , 2021, 27, e267-e269.	2.1	0
8	Detection of mammary adenocarcinoma metastases in a cat through <sup>99m</sup> Tc-thymine scintigraphy. <i>Veterinaria México OA</i> , 2020, 7, .	0.2	2
9	Autologous bone marrow-derived mononuclear cell therapy in three patients with severe asthma. <i>Stem Cell Research and Therapy</i> , 2020, 11, 167.	5.5	14
10	Development of <sup>131</sup> I-ixolaris as a theranostic agent: metastatic melanoma preclinical studies. <i>Clinical and Experimental Metastasis</i> , 2020, 37, 489-497.	3.3	3
11	Individual dose planning in radiosynoviorthesis treatment: Step by step. <i>Applied Radiation and Isotopes</i> , 2020, 163, 109177.	1.5	1
12	Safety and Localization of Mesenchymal Stromal Cells Derived from Human Adipose Tissue-Associated Hyaluronic Acid: A Preclinical Study. <i>Stem Cells International</i> , 2020, 2020, 1-15.	2.5	3
13	Intravenous Human Umbilical Cord-Derived Mesenchymal Stromal Cell Administration in Models of Moderate and Severe Intracerebral Hemorrhage. <i>Stem Cells and Development</i> , 2020, 29, 586-598.	2.1	21
14	Preclinical radiation internal dosimetry in the development of new radiopharmaceuticals using GATE Monte Carlo simulation. <i>Radiation Physics and Chemistry</i> , 2020, 173, 108879.	2.8	0
15	Planar and tomographic imaging dosimetry comparing to develop a new radiopharmaceutical for melanoma therapy. <i>Brazilian Journal of Radiation Sciences</i> , 2020, 8, .	0.0	0
16	Eicosapentaenoic acid potentiates the therapeutic effects of adipose tissue-derived mesenchymal stromal cells on lung and distal organ injury in experimental sepsis. <i>Stem Cell Research and Therapy</i> , 2019, 10, 264.	5.5	33
17	Endotoxin-Induced Emphysema Exacerbation: A Novel Model of Chronic Obstructive Pulmonary Disease Exacerbations Causing Cardiopulmonary Impairment and Diaphragm Dysfunction. <i>Frontiers in Physiology</i> , 2019, 10, 664.	2.8	10
18	Outpatient treatment for haemophilic arthropathy with radiosynovectomy: Radiation dose to family members. <i>Haemophilia</i> , 2019, 25, 509-513.	2.1	3

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19	Qualitative and quantitative scintigraphy in sialorrhea before and after botulinum toxin injection. <i>Laryngoscope</i> , 2019, 129, 2521-2526.	2.0	4
20	The Manufacture of GMP-Grade Bone Marrow Stromal Cells with Validated In Vivo Bone-Forming Potential in an Orthopedic Clinical Center in Brazil. <i>Stem Cells International</i> , 2019, 2019, 1-17.	2.5	4
21	Effects of Protective Mechanical Ventilation With Different PEEP Levels on Alveolar Damage and Inflammation in a Model of Open Abdominal Surgery: A Randomized Study in Obese Versus Non-obese Rats. <i>Frontiers in Physiology</i> , 2019, 10, 1513.	2.8	4
22	Effects of Different Doses of Mesenchymal Stem Cells on Functional Recovery After Compressive Spinal-Cord Injury in Mice. <i>Neuroscience</i> , 2019, 400, 17-32.	2.3	9
23	Olive Oil, Palm Oil, and Hybrid Palm Oil Distinctly Modulate Liver Transcriptome and Induce NAFLD in Mice Fed a High-Fat Diet. <i>International Journal of Molecular Sciences</i> , 2019, 20, 8.	4.1	35
24	Technetium-99m-anti-tumor necrosis factor alpha scintigraphy as promising predictor of response to corticotherapy in chronic active Graves' ophthalmopathy. <i>Clinical Physiology and Functional Imaging</i> , 2019, 39, 135-142.	1.2	5
25	Dietary supplementation with hybrid palm oil alters liver function in the common Marmoset. <i>Scientific Reports</i> , 2018, 8, 2765.	3.3	11
26	EXPLORING CORTICAL BONE DENSITY THROUGH THE ULTRASOUND INTEGRATED REFLECTION COEFFICIENT. <i>Acta Ortopedica Brasileira</i> , 2018, 26, 255-259.	0.5	3
27	Diagnosis of Device-Related Infective Endocarditis with 99mTechnetium Mononuclear Leukocytes SPECT/CT. <i>Journal of Clinical &amp; Experimental Cardiology</i> , 2018, 9, .	0.0	0
28	Copper-64: a real theranostic agent. <i>Drug Design, Development and Therapy</i> , 2018, Volume 12, 3235-3245.	4.3	68
29	Monitoring bone changes due to calcium, magnesium, and phosphorus loss in rat femurs using Quantitative Ultrasound. <i>Scientific Reports</i> , 2018, 8, 11963.	3.3	11
30	Perspectives on haemophilia access in Brazil?. <i>Haemophilia</i> , 2018, 24, e255-e256.	2.1	2
31	Avaliaço dos parmetros de aquisiço de imagens SPECT para trio-90 em radiosinoviotese. <i>Brazilian Journal of Radiation Sciences</i> , 2018, 6, .	0.0	1
32	Challenges and perspectives in the treatment of patients with haemophilia in Brasil. <i>Revista Da Associaço Mdica Brasileira</i> , 2018, 64, 872-875.	0.7	4
33	The image reconstruction influence in relative measurement in SPECT / PET / CT animal. <i>Brazilian Journal of Radiation Sciences</i> , 2018, 6, .	0.0	0
34	Diagnosis of Device-Related Infective Endocarditis with 99mTechnetium Mononuclear Leukocytes SPECT/CT. <i>Journal of Clinical &amp; Experimental Cardiology</i> , 2018, 9, .	0.0	0
35	Reduço da ativaço e do recrutamento de linfcito CD3 com o uso de anticorpo anti-TNFlfa: avaliaço da resposta clnica e cintilogrfica com 99mTcOKT3 em paciente com artrite idioptica juvenil. <i>Revista Brasileira De Reumatologia</i> , 2017, 57, 616-619.	0.8	0
36	Reduced activation and CD3 lymphocyte recruitment after TNF-inhibitor use: evaluation of clinical and 99mTc-OKT3 scintigraphic response in a patient with juvenile idiopathic arthritis. <i>Revista Brasileira De Reumatologia</i> , 2017, 57, 616-619.	0.7	0

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37	Scintigraphy for detecting tumour necrosis factor- $\hat{\pm}$ on the skin of patients with psoriatic arthritis. Scandinavian Journal of Rheumatology, 2017, 46, 377-380.	1.1	2
38	A new approach for radiosynoviorthesis: A dose-optimized planning method based on Monte Carlo simulation and synovial measurement using 3D slicer and MRI. Medical Physics, 2017, 44, 3821-3829.	3.0	10
39	Bone Marrowâ€Derived Mononuclear Cell Therapy Accelerates Renal Ischemia-Reperfusion Injury Recovery by Modulating Inflammatory, Antioxidant and Apoptotic Related Molecules. Cellular Physiology and Biochemistry, 2017, 41, 1736-1752.	1.6	50
40	Safety of Allogeneic Canine Adipose Tissue-Derived Mesenchymal Stem Cell Intraspinal Transplantation in Dogs with Chronic Spinal Cord Injury. Stem Cells International, 2017, 2017, 1-11.	2.5	29
41	Cytopathologic evaluation of patients submitted to radiotherapy for uterine cervix cancer. Revista Da AssociaÃo MÃ©dica Brasileira, 2017, 63, 379-385.	0.7	7
42	Therapeutic effects of bone marrow-derived mononuclear cells from healthy or silicotic donors on recipient silicosis mice. Stem Cell Research and Therapy, 2017, 8, 259.	5.5	14
43	Anthropomorphic Phantoms - Potential for More Studies and Training in Radiology. International Journal of Radiology & Radiation Therapy, 2017, 2, .	0.1	4
44	<sup>99m</sup> Tc-anti-TNF- $\hat{\pm}$ scintigraphy in the assessment of rheumatic disease activity. Clinical Trials in Degenerative Diseases, 2017, 2, 31.	0.1	0
45	Internal Radiation Dose and Modeling Codes in Nuclear Medicine: A Fresh Look at Old Problems. International Journal of Radiology & Radiation Therapy, 2017, 4, .	0.1	0
46	In Vivo Tracking of Cell Therapies for Cardiac Diseases with Nuclear Medicine. Stem Cells International, 2016, 2016, 1-15.	2.5	7
47	The nasal delivery of nanoencapsulated statins &ndash; an approach for brain delivery. International Journal of Nanomedicine, 2016, Volume 11, 6575-6590.	6.7	65
48	Comparison between Variable and Conventional Volume-Controlled Ventilation on Cardiorespiratory Parameters in Experimental Emphysema. Frontiers in Physiology, 2016, 7, 277.	2.8	12
49	Extramedullary relapse of acute myeloid leukemia mimicking a necrotizing external otitis: could mononuclear leukocyte scintigraphy be the best diagnostic method?. Brazilian Journal of Otorhinolaryngology, 2016, 82, 487-490.	1.0	2
50	<sup>99m</sup> -Technetium binding site in bone marrow mononuclear cells. Stem Cell Research and Therapy, 2015, 6, 115.	5.5	5
51	Biological Impact of Transpulmonary Driving Pressure in Experimental Acute Respiratory Distress Syndrome. Anesthesiology, 2015, 123, 423-433.	2.5	60
52	A Novel Restraining Device for Small Animal Imaging Exams: Validation in Rabbits. BioMed Research International, 2015, 2015, 1-7.	1.9	2
53	<sup>99m</sup> Tc-ixolaris targets glioblastoma-associated tissue factor: In vitro and pre-clinical applications. Thrombosis Research, 2015, 136, 432-439.	1.7	9
54	Use of <sup>99m</sup> Tc-doxorubicin scintigraphy in females with breast cancer: a pilot study. British Journal of Radiology, 2015, 88, 20150268.	2.2	6

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55	Pilot safety study of intrabronchial instillation of bone marrow-derived mononuclear cells in patients with silicosis. BMC Pulmonary Medicine, 2015, 15, 66.	2.0	28
56	Interesterified fat or palm oil as substitutes for partially hydrogenated fat in maternal diet can predispose obesity in adult male offspring. Clinical Nutrition, 2015, 34, 904-910.	5.0	23
57	Infusion of Bone Marrow Mononuclear Cells Reduces Lung Fibrosis but Not Inflammation in the Late Stages of Murine Silicosis. PLoS ONE, 2014, 9, e109982.	2.5	24
58	Rheumatoid arthritis: Nuclear medicine state-of-the-art imaging. World Journal of Orthopedics, 2014, 5, 312.	1.8	24
59	Use of <sup>99m</sup> Tc-anti-TNF- $\alpha$ scintigraphy in a patient with non-radiographic axial spondyloarthritis. Annals of Nuclear Medicine, 2014, 28, 936-939.	2.2	3
60	Radiopharmaceutical Stem Cell Tracking for Neurological Diseases. BioMed Research International, 2014, 2014, 1-12.	1.9	13
61	Sustained effect of bone marrow mononuclear cell therapy in axonal regeneration in a model of optic nerve crush. Brain Research, 2014, 1587, 54-68.	2.2	26
62	Bone-marrow mononuclear cells reduce neurodegeneration in hippocampal CA1 layer after transient global ischemia in rats. Brain Research, 2013, 1522, 1-11.	2.2	15
63	Biodistribution of bone marrow mononuclear cells after intra-arterial or intravenous transplantation in subacute stroke patients. Regenerative Medicine, 2013, 8, 145-155.	1.7	107
64	A Pilot Study Evaluating <sup>99m</sup> Tc-anti-TNF-alpha Scintigraphy in Graves' Ophthalmopathy Patients with Different Clinical Activity Score. Hormone and Metabolic Research, 2013, 45, 765-768.	1.5	9
65	Radioactive synovectomy with <sup>90</sup> yttrium and <sup>153</sup> samarium hydroxyapatite in haemophilic joints: preliminary study on radiation safety. Haemophilia, 2013, 19, 632-636.	2.1	16
66	<sup>99m</sup> Tc-thymine scintigraphy may be a promising method in the diagnosis of breast cancer. Clinics, 2013, 68, 283-289.	1.5	4
67	<sup>99m</sup> Tc-Anti-TNF- $\alpha$ Scintigraphy. Clinical Nuclear Medicine, 2012, 37, 1097-1101.	1.3	9
68	Self- $\alpha$ Kidney Transplantation in Takayasu Arteritis. Transplantation, 2012, 94, e47-e49.	1.0	0
69	Intravenous and intra-arterial administration of bone marrow mononuclear cells after focal cerebral ischemia: Is there a difference in biodistribution and efficacy?. Stem Cell Research, 2012, 9, 1-8.	0.7	70
70	Intraperitoneal but Not Intravenous Cryopreserved Mesenchymal Stromal Cells Home to the Inflamed Colon and Ameliorate Experimental Colitis. PLoS ONE, 2012, 7, e33360.	2.5	112
71	Heavy metal tolerance (Cr, Ag AND Hg) in bacteria isolated from sewage. Brazilian Journal of Microbiology, 2012, 43, 1620-31.	2.0	38
72	Heavy metal tolerance (Cr, Ag and Hg) in bacteria isolated from sewage. Brazilian Journal of Microbiology, 2012, 43, 1620-1631.	2.0	89

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73	<sup>90</sup> Yttrium hydroxyapatite: a new therapeutic option for radioactive synovectomy in haemophilic synovitis. Haemophilia, 2011, 17, e985-9.	2.1	11
74	Bone marrow mononuclear cell therapy for patients with cirrhosis: a Phase 1 study. Liver International, 2011, 31, 391-400.	3.9	53
75	<sup>99m</sup> Tc-anti-TNF- $\alpha$ scintigraphy in RA: a comparison pilot study with MRI and clinical examination. Rheumatology, 2011, 50, 2044-2050.	1.9	32
76	Radiolabeling of Cramoll 1,4: Evaluation of the Biodistribution. International Journal of Peptides, 2011, 2011, 1-3.	0.7	3
77	Comment on: Use of <sup>99m</sup> Tc-anti-CD3 scintigraphy in the differential diagnosis of rheumatic diseases: reply. Rheumatology, 2011, 50, 423-423.	1.9	4
78	Iodine-123 Metaiodobenzylguanidine Cardiac Imaging as a Method to Detect Early Sympathetic Neuronal Dysfunction in Chagasic Patients With Normal or Borderline Electrocardiogram and Preserved Ventricular Function. Clinical Nuclear Medicine, 2011, 36, 757-761.	1.3	21
79	Intrabronchial Instillation Of Bone Marrow Derived Mononuclear Cells In Silicotic Patients. , 2010, , .		1
80	Use of <sup>99m</sup> Tc-anti-CD3 scintigraphy in the differential diagnosis of rheumatic diseases. Rheumatology, 2010, 49, 933-939.	1.9	24
81	Intratracheal instillation of bone marrow-derived cell in an experimental model of silicosis. Respiratory Physiology and Neurobiology, 2009, 169, 227-233.	1.6	32
82	Monitoring rheumatoid arthritis synovitis with <sup>99m</sup> Tc-anti-CD3. British Journal of Radiology, 2008, 81, 25-29.	2.2	25
83	Uso da <sup>99m</sup> Tc-Timina na identificaçŁo de metÁstases de tumor venÓreo transmissÁvel canino com apresentaçŁo cutÁnea. Pesquisa Veterinária Brasileira, 2008, 28, 367-370.	0.5	3
84	AplicaçŁo da cintilografia com <sup>99m</sup> Tc-leucÓcitos mononucleares na detecçŁo de focos inflamatórios/infecciosos. Radiologia Brasileira, 2008, 41, 80-80.	0.7	0
85	Use of <sup>99m</sup> Tc-mononuclear leukocyte scintigraphy in nosocomial fever. Acta Radiologica, 2006, 47, 699-704.	1.1	20
86	DetecçŁo e exÓrese de lesŁes mamÁrias nŁo palpÁveis orientadas por cirurgia radioguiada com injeçŁo de ar para controle radiolÓgico. Revista Brasileira De Ginecologia E Obstetricia, 2005, 27, 650-655.	0.8	2
87	Preliminary results of [ <sup>99m</sup> Tc]OKT3 scintigraphy to evaluate acute rejection in renal transplants. Transplantation Proceedings, 2004, 36, 2664-2667.	0.6	24
88	Diagnosis of renal allograft rejection and acute tubular necrosis by <sup>99m</sup> Tc-mononuclear leukocyte imaging. Transplantation Proceedings, 2004, 36, 2997-3001.	0.6	18
89	AvaliaçŁo de transplantes renais utilizando-se <sup>99m</sup> Tc-leucÓcitos mononucleares. Radiologia Brasileira, 2004, 37, 15-20.	0.7	0