

# Newton Soares da Silva

## List of Publications by Year in descending order

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62  
papers

1,235  
citations

430754

18  
h-index

377752

34  
g-index

65  
all docs

65  
docs citations

65  
times ranked

1982  
citing authors

#	ARTICLE	IF	CITATIONS
1	Photodynamic Therapy: Porphyrins and Phthalocyanines as Photosensitizers. Australian Journal of Chemistry, 2008, 61, 741.	0.5	179
2	Infrared Laser Photobiomodulation ( $\lambda$ 830 nm) on Bone Tissue Around Dental Implants: A Raman Spectroscopy and Scanning Electronic Microscopy Study in Rabbits. Photomedicine and Laser Surgery, 2007, 25, 96-101.	2.1	108
3	Antibacterial activity of DLC films containing TiO <sub>2</sub> nanoparticles. Journal of Colloid and Interface Science, 2009, 340, 87-92.	5.0	104
4	Antibacterial activity of DLC and Ag-DLC films produced by PECVD technique. Diamond and Related Materials, 2009, 18, 1010-1014.	1.8	104
5	Laser Light Prevents Apoptosis on Cho K-1 Cell Line. Photomedicine and Laser Surgery, 2003, 21, 193-196.	1.1	60
6	Analysis of mitochondria, endoplasmic reticulum and actin filaments after PDT with ALPcS 4. Lasers in Medical Science, 2004, 18, 207-212.	1.0	50
7	Graphene oxide nanoribbons as nanomaterial for bone regeneration: Effects on cytotoxicity, gene expression and bactericidal effect. Materials Science and Engineering C, 2017, 78, 341-348.	3.8	42
8	Mitochondrial membrane potential after low-power laser irradiation. Lasers in Medical Science, 2004, 18, 204-206.	1.0	41
9	Wettability and antibacterial activity of modified diamond-like carbon films. Applied Surface Science, 2009, 255, 8377-8382.	3.1	38
10	Antibacterial activity of fluorinated diamond-like carbon films produced by PECVD. Surface and Coatings Technology, 2010, 204, 2986-2990.	2.2	38
11	Biomechanical analysis of the muscular power of martial arts athletes. Medical and Biological Engineering and Computing, 2010, 48, 573-577.	1.6	38
12	Investigation into the antibacterial property and bacterial adhesion of diamond-like carbon films. Vacuum, 2011, 85, 662-666.	1.6	33
13	Cell viability and adhesion on diamond-like carbon films containing titanium dioxide nanoparticles. Applied Surface Science, 2013, 266, 176-181.	3.1	31
14	Supercritical extraction of Eugenia involucrata leaves: Influence of operating conditions on yield and $\alpha$ -tocopherol content. Journal of Supercritical Fluids, 2019, 143, 55-63.	1.6	29
15	Mitochondria, endoplasmic reticulum and actin filament behavior after PDT with chloroaluminum phthalocyanine liposomal in HeLa cells. Cell Biology International, 2008, 32, 1024-1028.	1.4	22
16	Graphene and carbon nanotube composite enabling a new prospective treatment for trichomoniasis disease. Materials Science and Engineering C, 2014, 41, 65-69.	3.8	20
17	Graphene oxide/multi-walled carbon nanotubes as nanofeatured scaffolds for the assisted deposition of nanohydroxyapatite: characterization and biological evaluation. International Journal of Nanomedicine, 2016, 11, 2569.	3.3	20
18	Diamond-like carbon films produced from high deposition rates exhibit antibacterial activity. Synthetic Metals, 2009, 159, 2167-2169.	2.1	19

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19	Ultrastructural changes in <i>Tritrichomonas foetus</i> after treatments with ALPcS4 and photodynamic therapy. <i>Veterinary Parasitology</i> , 2007, 146, 175-181.	0.7	18
20	Analysis of Mitochondrial Activity Related to Cell Death after PDT with ALPCS <sub>4</sub> . <i>Photomedicine and Laser Surgery</i> , 2007, 25, 175-179.	2.1	17
21	Photodynamic Therapy with a New Photosensitizing Agent. <i>Photomedicine and Laser Surgery</i> , 2007, 25, 220-228.	2.1	16
22	Cellular Changes After Photodynamic Therapy on HEp-2 Cells Using the New ZnPcBr <sub>8</sub> Phthalocyanine. <i>Photomedicine and Laser Surgery</i> , 2010, 28, S-143-S-149.	2.1	16
23	Effect of GaAlAs Laser Irradiation on Enzyme Activity. <i>Photomedicine and Laser Surgery</i> , 2010, 28, 431-434.	2.1	14
24	Cellular and molecular studies of the initial process of the photodynamic therapy in HEp-2 cells using LED light source and two different photosensitizers. <i>Cell Biology International</i> , 2009, 33, 785-795.	1.4	13
25	Effect of photodynamic therapy supplemented with quercetin in HEp-2 cells. <i>Cell Biology International</i> , 2014, 38, 716-722.	1.4	13
26	Ultrastructural effects of two phthalocyanines in CHO-K1 and HeLa cells after laser irradiation. <i>Biocell</i> , 2003, 27, 301-309.	0.4	13
27	High loading of graphene oxide/multi-walled carbon nanotubes into PDLLA: A route towards the design of osteoconductive, bactericidal and non-immunogenic 3D porous scaffolds. <i>Materials Chemistry and Physics</i> , 2016, 177, 56-66.	2.0	12
28	Thermodynamic aspects of fibroblastic spreading on diamond-like carbon films containing titanium dioxide nanoparticles. <i>Theoretical Chemistry Accounts</i> , 2011, 130, 1085-1093.	0.5	11
29	Photodynamic therapy in the cattle protozoan <i>Tritrichomonas foetus</i> cultivated on superhydrophilic carbon nanotube. <i>Materials Science and Engineering C</i> , 2014, 36, 180-186.	3.8	11
30	The Influence of Titanium Dioxide on Diamond-Like Carbon Biocompatibility for Dental Applications. <i>Journal of Nanomaterials</i> , 2016, 2016, 1-7.	1.5	11
31	Assessment of fibroblast cells submitted to ultrasonic irradiation. <i>Cell Biology International</i> , 2008, 32, 1329-1335.	1.4	10
32	Morphological analysis and cell viability on diamond-like carbon films containing nanocrystalline diamond particles. <i>Applied Surface Science</i> , 2013, 275, 258-263.	3.1	8
33	Osseointegration features of orthopedic Ti-10Si-5B implants. <i>Materials Science and Engineering C</i> , 2009, 29, 980-986.	3.8	7
34	Comparative Study of <i>Candida albicans</i> Inactivation by Nonthermal Plasma on Stainless Steel with and without Diamond-like Carbon Film. <i>ACS Omega</i> , 2019, 4, 6891-6902.	1.6	7
35	Ultrastructural effects of two phthalocyanines in CHO-K1 and HeLa cells after laser irradiation. <i>Biocell</i> , 2003, 27, 301-9.	0.4	7
36	Identification and localization of an adhesin on the surface of <i>Tritrichomonas foetus</i> . <i>Parasitology Research</i> , 1999, 85, 984-992.	0.6	6

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37	Cytotoxicity of Octal-Bromide Zinc Phthalocyanine After Photodynamic Therapy with Different Light Sources. <i>Photomedicine and Laser Surgery</i> , 2008, 26, 455-459.	2.1	5
38	Ultrastructural Aspects of Female Aging Wistar Rat Epithelium Tongue: A HRSEM and TEM Study. <i>Gerontology</i> , 2009, 55, 442-448.	1.4	5
39	Genotoxic effects of photodynamic therapy in laryngeal cancer cells – An <i>in vitro</i> study. <i>Experimental Biology and Medicine</i> , 2019, 244, 262-271.	1.1	5
40	Tribocorrosion studies on diamond-like carbon film deposited by PECVD on 304 stainless steel in simulated body fluid. <i>Biomedical Physics and Engineering Express</i> , 2019, 5, 045012.	0.6	5
41	Cytoskeleton, endoplasmic reticulum and nucleus alterations in CHO-K1 cell line after <i>Crotalus durissus terrificus</i> (South American rattlesnake) venom treatment. <i>Journal of Venomous Animals and Toxins Including Tropical Diseases</i> , 2007, 13, 56-68.	0.8	4
42	<i>Tritrichomonas foetus</i> adhere to superhydrophilic vertically aligned multi-walled carbon nanotube surface. <i>Materials Science and Engineering C</i> , 2011, 31, 1614-1617.	3.8	4
43	Effect of cortisol on K562 leukemia cells. <i>Mundo Da Saude</i> , 2019, 43, 854-869.	0.0	4
44	Basic biological aspects of <i>Tritrichomonas foetus</i> of re-levance to the treatment of bovines suffering of tricho-moniasis. <i>Open Journal of Animal Sciences</i> , 2011, 01, 112-120.	0.2	4
45	Structural Changes at the Site of <i>Tritrichomonas foetus</i> -Erythrocyte Interaction.. <i>Cell Structure and Function</i> , 1996, 21, 245-250.	0.5	3
46	Effects of the infrared lamp illumination during the process of muscle fatigue in rats. <i>Brazilian Archives of Biology and Technology</i> , 2007, 50, 403-407.	0.5	2
47	Evaluation of the photobiomodulation in L929 cell culture. <i>Experimental Biology and Medicine</i> , 2014, 239, 1638-1643.	1.1	2
48	Photobiomodulation assay of muscle cells C2C12 after irradiation with LED device. <i>Research, Society and Development</i> , 2022, 11, e41511628884.	0.0	2
49	Alteration of Surface Glycoproteins After Photodynamic Therapy. <i>Photomedicine and Laser Surgery</i> , 2018, 36, 452-456.	2.1	1
50	Cell Death after Photodynamic Therapy Treatment in Unicellular Protozoan Parasite <i>Tritrichomonas foetus</i> . , 0, , .		1
51	Effects of photobiomodulation on the growth of intestinal bacteria. <i>Research, Society and Development</i> , 2021, 10, e56810817103.	0.0	1
52	Evaluation of the Effect of Hydrocortisone in 2D and 3D HEP-2 Cell Culture. <i>IFMBE Proceedings</i> , 2022, , 113-117.	0.2	1
53	DNA analysis of cattle parasitic protozoan <i>Tritrichomonas foetus</i> after photodynamic therapy. <i>Photodiagnosis and Photodynamic Therapy</i> , 2017, 18, 193-197.	1.3	0
54	Can PDT Alter the Glycosylation of the Tumor Cell Membrane?. , 0, , .		0

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55	810 nm Low-intensity laser in the treatment of degenerative articular disease associated with kinesiotherapy and chondroprotectors – Case report. Research, Society and Development, 2021, 10, e18710615494.	0.0	0
56	Biomodulatory effect of low intensity laser (830 nm.) in neural model 9L/lacZ. Research, Society and Development, 2021, 10, e11310817025.	0.0	0
57	Thin film composites of nanocrystalline diamond particles and diamond-like carbon: structural, electrochemical and biological properties. Journal of Aerospace Engineering, Sciences and Applications, 0, , 131-138.	0.3	0
58	Avaliação da atividade mitocondrial no processo de morte celular em células tumorais de mama após tratamento com Ciclosporina A e Photosan3®. Revista Brasileira De Engenharia Biomedica, 2013, 29, 193-198.	0.3	0
59	Evaluation of the effect of hydrocortisone in 2D and 3D HEP-2 cell culture. Research, Society and Development, 2022, 11, e7711327021.	0.0	0
60	Ação de extrato de folhas de Acmella oleracea (L.) R. K. Jansen em co-cultivo de Staphylococcus aureus e L929 (fibroblastos) simulando processo de celulite infecciosa. Research, Society and Development, 2021, 10, e565101624178.	0.0	0
61	Photobiostimulation of human neuroblastoma mitochondria with low-level laser therapy (LLLT) using different parameters.. Alzheimer's and Dementia, 2021, 17 Suppl 3, e054374.	0.4	0
62	Estresse oxidativo em células SH-SY5Y diante da exposição ao peróxido de hidrogênio. Research, Society and Development, 2022, 11, e30811326474.	0.0	0