Vanderlei Salvador Bagnato

List of Publications by Year
in descending order

422 papers	9,135 citations	50276 46 h-index	64796 79 g-index
446 all docs	446 docs citations	446 times ranked	8354 citing authors

#	Article	IF	Citations
1	Experiments and theory in cold and ultracold collisions. Reviews of Modern Physics, 1999, 71, 1-85.	45.6	808
2	Photobiomodulation on the Angiogenesis of Skin Wounds in Rats Using Different Light Sources. Photomedicine and Laser Surgery, 2007, 25, 102-106.	2.0	202
3	Investigation of the Photodynamic Effects of Curcumin Against Candida albicans. Photochemistry and Photobiology, 2011, 87, 895-903.	2.5	188
4	HUMIFICATION DEGREE OF SOIL HUMIC ACIDS DETERMINED BY FLUORESCENCE SPECTROSCOPY. Soil Science, 2002, 167, 739-749.	0.9	171
5	Hardness evaluation of a dental composite polymerized with experimental LED-based devices. Dental Materials, 2001, 17, 309-315.	3.5	157
6	Temperature Variation at Soft Periodontal and Rat Bone Tissues during a Medium-Power Diode Laser Exposure. Photomedicine and Laser Surgery, 2004, 22, 519-522.	2.0	148
7	Characterization of humic acids from a Brazilian Oxisol under different tillage systems by EPR, 13C NMR, FTIR and fluorescence spectroscopy. Geoderma, 2004, 118, 181-190.	5.1	145
8	Susceptibility of Candida albicans to photodynamic therapy in a murine model of oral candidosis. Oral Surgery Oral Medicine Oral Pathology Oral Radiology and Endodontics, 2010, 109, 392-401.	1.4	139
9	Lowâ€level Laser (Light) Therapy Increases Mitochondrial Membrane Potential and <scp>ATP</scp> Synthesis in C2C12 Myotubes with a Peak Response at 3â€“6 h. Photochemistry and Photobiology, 2015, 91, 411-416.	2.5	136
10	Fungicidal effect of photodynamic therapy against fluconazole-resistant Candida albicans and Candida glabrata. Mycoses, 2011, 54, 123-130.	4.0	132
11	Curcumin-mediated photodynamic inactivation ofCandida albicansin a murine model of oral candidiasis. Medical Mycology, 2013, 51, 243-251.	0.7	132
12	Photodynamic potential of curcumin and blue LED against Streptococcus mutans in a planktonic culture. Photodiagnosis and Photodynamic Therapy, 2013, 10, 313-319.	2.6	131
13	Susceptibility of clinical isolates of Candida to photodynamic effects of curcumin. Lasers in Surgery and Medicine, 2011, 43, 927-934.	2.1	121
14	Carbon-Based Materials in Photodynamic and Photothermal Therapies Applied to Tumor Destruction. International Journal of Molecular Sciences, 2022, 23, 22.	4.1	115
15	Photodynamic antimicrobial therapy of curcumin in biofilms and carious dentine. Lasers in Medical Science, 2014, 29, 629-635.	2.1	114
16	In Vitro Wound Healing Improvement by Low-Level Laser Therapy Application in Cultured Gingival Fibroblasts. International Journal of Dentistry, 2012, 2012, 1-6.	1.5	108
17	Quantum turbulence in trapped atomic Boseâ€“Einstein condensates. Physics Reports, 2016, 622, 1-52.	25.6	107
18	Curcumin as a photosensitizer: From molecular structure to recent advances in antimicrobial photodynamic therapy. Journal of Photochemistry and Photobiology C: Photochemistry Reviews, 2020, 45, 100384.	11.6	106

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19	Future of oncologic photodynamic therapy. Future Oncology, 2010, 6, 929-940.	2.4	104
20	Effect of different pre-irradiation times on curcumin-mediated photodynamic therapy against planktonic cultures and biofilms of Candida spp. Archives of Oral Biology, 2013, 58, 200-210.	1.8	98
21	Effects of Photodynamic Therapy with Blue Light and Curcumin as Mouth Rinse for Oral Disinfection: A Randomized Controlled Trial. Photomedicine and Laser Surgery, 2014, 32, 627-632.	2.0	98
22	The future of photodynamic therapy in oncology. Future Oncology, 2006, 2, 53-71.	2.4	92
23	Phototoxic effect of curcumin on methicillin-resistant Staphylococcus aureus and L929 fibroblasts. Lasers in Medical Science, 2013, 28, 391-398.	2.1	92
24	Photodynamic Effects of Curcumin Against Cariogenic Pathogens. Photomedicine and Laser Surgery, 2012, 30, 393-399.	2.0	90
25	Antimicrobial Photodynamic Action on Dentin Using a Light-Emitting Diode Light Source. Photomedicine and Laser Surgery, 2008, 26, 281-287.	2.0	88
26	Prevention of viral transmission during lung transplantation with hepatitis C-viraemic donors: an open-label, single-centre, pilot trial. Lancet Respiratory Medicine,the, 2020, 8, 192-201.	10.7	87
27	Inactivating hepatitis C virus in donor lungs using light therapies during normothermic ex vivo lung perfusion. Nature Communications, 2019, 10, 481.	12.8	86
28	Time response of increases in ATP and muscle resistance to fatigue after low-level laser (light) therapy (LLLT) in mice. Lasers in Medical Science, 2015, 30, 1259-1267.	2.1	78
29	Overall-Mouth Disinfection by Photodynamic Therapy Using Curcumin. Photomedicine and Laser Surgery, 2012, 30, 96-101.	2.0	76
30	Vortices and turbulence in trapped atomic condensates. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 4719-4726.	7.1	76
31	Polymeric Nanoparticle-Based Photodynamic Therapy for Chronic Periodontitis in Vivo. International Journal of Molecular Sciences, 2016, 17, 769.	4.1	76
32	Effects of ultraviolet light and curcumin-mediated photodynamic inactivation on microbiological food safety: A study in meat and fruit. Photodiagnosis and Photodynamic Therapy, 2020, 30, 101678.	2.6	66
33	Photobiological characteristics of chlorophyll a derivatives as microbial PDT agents. Photochemical and Photobiological Sciences, 2014, 13, 1137-1145.	2.9	61
34	Susceptibility of Staphylococcus aureus to porphyrin-mediated photodynamic antimicrobial chemotherapy: an in vitro study. Lasers in Medical Science, 2010, 25, 391-395.	2.1	60
35	Tillage and cropping system effects on soil humic acid characteristics as determined by electron spin resonance and fluorescence spectroscopies. Geoderma, 2002, 105, 81-92.	5.1	59
36	Experience and BCC subtypes as determinants of MAL-PDT response: Preliminary results of a national Brazilian project. Photodiagnosis and Photodynamic Therapy, 2014, 11, 22-26.	2.6	56

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37	Antibacterial Photodynamic Inactivation of Antibiotic-Resistant Bacteria and Biofilms with Nanomolar Photosensitizer Concentrations. ACS Infectious Diseases, 2020, 6, 1517-1526.	3.8	56
38	Photodynamic inactivation of clinical isolates ofCandidausing Photodithazine^{Â®}. Biofouling, 2013, 29, 1057-1067.	2.2	55
39	Graphene Oxide Mediated Broad-Spectrum Antibacterial Based on Bimodal Action of Photodynamic and Photothermal Effects. Frontiers in Microbiology, 2019, 10, 2995.	3.5	55
40	Antimicrobial photodynamic therapy against pathogenic bacterial suspensions and biofilms using chloro-aluminum phthalocyanine encapsulated in nanoemulsions. Lasers in Medical Science, 2015, 30, 549-559.	2.1	54
41	Lightâ€emitting diode therapy in exerciseâ€trained mice increases muscle performance, cytochrome c oxidase activity, ATP and cell proliferation. Journal of Biophotonics, 2015, 8, 740-754.	2.3	54
42	Treatment of Oral Candidiasis Using PhotodithazineÂ®- Mediated Photodynamic Therapy In Vivo. PLoS ONE, 2016, 11, e0156947.	2.5	54
43	Effectiveness of Photodynamic Therapy for the Inactivation ofCandidaspp. on Dentures:In VitroStudy. Photomedicine and Laser Surgery, 2011, 29, 827-833.	2.0	53
44	Photodynamic inactivation of microorganisms present on complete dentures. A clinical investigation. Lasers in Medical Science, 2012, 27, 161-168.	2.1	50
45	The filler content of the dental composite resins and their influence on different properties. Microscopy Research and Technique, 2012, 75, 758-765.	2.2	49
46	Comparative clinical study of light analgesic effect on temporomandibular disorder (TMD) using red and infrared led therapy. Lasers in Medical Science, 2015, 30, 815-822.	2.1	49
47	Photodynamic inactivation of a multispecies biofilm using curcumin and LED light. Lasers in Medical Science, 2016, 31, 997-1009.	2.1	48
48	Low intensity lasers differently induce primary human osteoblast proliferation and differentiation. Journal of Photochemistry and Photobiology B: Biology, 2016, 163, 14-21.	3.8	47
49	Light-emitting diode therapy (LEDT) before matches prevents increase in creatine kinase with a light dose response in volleyball players. Lasers in Medical Science, 2015, 30, 1281-1287.	2.1	46
50	Susceptibility of multispecies biofilm to photodynamic therapy using PhotodithazineÂ®. Lasers in Medical Science, 2015, 30, 685-694.	2.1	45
51	One-Pot Microwave-Assisted Synthesis of Carbon Dots and in vivo and in vitro Antimicrobial Photodynamic Applications. Frontiers in Microbiology, 2021, 12, 662149.	3.5	44
52	Biomodulation of Inflammatory Cytokines Related to Oral Mucositis by Lowâ€Level Laser Therapy. Photochemistry and Photobiology, 2015, 91, 952-956.	2.5	43
53	Oral Decontamination of Orthodontic Patients Using Photodynamic Therapy Mediated by Blue-Light Irradiation and Curcumin Associated with Sodium Dodecyl Sulfate. Photomedicine and Laser Surgery, 2016, 34, 411-417.	2.0	42
54	Pneumonia treatment by photodynamic therapy with extracorporeal illumination â€•an experimental model. Physiological Reports, 2017, 5, e13190.	1.7	42

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55	Evaluation of degree of conversion and hardness of dental composites photo-activated with different light guide tips. European Journal of Dentistry, 2013, 7, 86-93.	1.7	42
56	Denture stomatitis treated with photodynamic therapy: five cases. Oral Surgery Oral Medicine Oral Pathology Oral Radiology and Endodontics, 2011, 112, 602-608.	1.4	41
57	Violet LED with low concentration carbamide peroxide for dental bleaching: A case report. Photodiagnosis and Photodynamic Therapy, 2018, 23, 270-272.	2.6	41
58	Realization of inverse Kibbleâ€“Zurek scenario with trapped Bose gases. Physics Letters, Section A: General, Atomic and Solid State Physics, 2015, 379, 1366-1371.	2.1	40
59	Comparative Effects of Photodynamic Therapy mediated by Curcumin on Standard and Clinical Isolate of Streptococcus mutans. Journal of Contemporary Dental Practice, 2015, 16, 1-6.	0.5	40
60	In Vitro effect of low-level laser therapy on typical oral microbial biofilms. Brazilian Dental Journal, 2011, 22, 502-510.	1.1	39
61	Photodynamic therapy in root canals contaminated with Enterococcus faecalis using curcumin as photosensitizer. Lasers in Medical Science, 2015, 30, 1867-1872.	2.1	39
62	Effects of Infrared-LED Illumination Applied During High-Intensity Treadmill Training in Postmenopausal Women. Photomedicine and Laser Surgery, 2011, 29, 639-645.	2.0	38
63	Photodiagnosis and treatment of condyloma acuminatum using 5-aminolevulinic acid and homemade devices. Photodiagnosis and Photodynamic Therapy, 2012, 9, 60-68.	2.6	38
64	Application of an active attachment model as a high-throughput demineralization biofilm model. Journal of Dentistry, 2012, 40, 41-47.	4.1	38
65	Evaluation of photodynamic therapy on fibroblast viability and cytokine production. Photodiagnosis and Photodynamic Therapy, 2016, 13, 97-100.	2.6	36
66	Degree of conversion of nanofilled and microhybrid composite resins photo-activated by different generations of LEDs. Journal of Applied Oral Science, 2012, 20, 212-217.	1.8	34
67	Low-level laser therapy (LLLT) combined with swimming training improved the lipid profile in rats fed with high-fat diet. Lasers in Medical Science, 2013, 28, 1271-1280.	2.1	34
68	Fast elimination of onychomycosis by hematoporphyrin derivative-photodynamic therapy. Photodiagnosis and Photodynamic Therapy, 2013, 10, 328-330.	2.6	34
69	Identification of skin lesions through aminolaevulinic acid-mediated photodynamic detection. Photodiagnosis and Photodynamic Therapy, 2014, 11, 409-415.	2.6	34
70	Avoiding ventilator-associated pneumonia: Curcumin-functionalized endotracheal tube and photodynamic action. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 22967-22973.	7.1	34
71	COVID-19: Beyond the virus. The use of photodynamic therapy for the treatment of infections in the respiratory tract. Photodiagnosis and Photodynamic Therapy, 2020, 31, 101804.	2.6	34
72	Muscular pre-conditioning using light-emitting diode therapy (LEDT) for high-intensity exercise: a randomized double-blind placebo-controlled trial with a single elite runner. Physiotherapy Theory and Practice, 2015, 31, 354-361.	1.3	33

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73	Photodynamic inactivation of a multispecies biofilm using PhotodithazineÂ® and LED light after one and three successive applications. Lasers in Medical Science, 2015, 30, 2303-2312.	2.1	33
74	Clinical Comparison of Two Photosensitizers for Oral Cavity Decontamination. Photomedicine and Laser Surgery, 2017, 35, 105-110.	2.0	33
75	Photodynamic inactivation of four Candida species induced by photogemÂ®. Brazilian Journal of Microbiology, 2010, 41, 42-49.	2.0	32
76	Infrared LED irradiation applied during high-intensity treadmill training improves maximal exercise tolerance in postmenopausal women: a 6-month longitudinal study. Lasers in Medical Science, 2013, 28, 415-422.	2.1	32
77	Antimicrobial action of photodynamic therapy in root canals using LED curing light, curcumin and carbopol gel. International Endodontic Journal, 2019, 52, 1010-1019.	5.0	31
78	Microbial reduction in periodontal pockets under exposition of a medium power diode laser: An experimental study in rats. Lasers in Surgery and Medicine, 2004, 35, 263-268.	2.1	30
79	Thermodynamics of an ideal gas of bosons harmonically trapped: equation of state and susceptibilities. Brazilian Journal of Physics, 2005, 35, 607-613.	1.4	30
80	Synergic effects of ultrasound and laser on the pain relief in women with hand osteoarthritis. Lasers in Medical Science, 2015, 30, 279-286.	2.1	30
81	Curcuminâ€loaded Pluronic^{Â®} Fâ€127 Micelles as a Drug Delivery System for Curcuminâ€mediated Photodynamic Therapy for Oral Application. Photochemistry and Photobiology, 2021, 97, 1072-1088.	2.5	30
82	Photodynamic therapy for anal cancer. Photodiagnosis and Photodynamic Therapy, 2010, 7, 115-119.	2.6	29
83	New treatment of cellulite with infrared-LED illumination applied during high-intensity treadmill training. Journal of Cosmetic and Laser Therapy, 2011, 13, 166-171.	0.9	29
84	Low level laser therapy modulates viability, alkaline phosphatase and matrix metalloproteinase-2 activities of osteoblasts. Journal of Photochemistry and Photobiology B: Biology, 2017, 169, 35-40.	3.8	29
85	Reduced methicillin-resistant Staphylococcus aureus biofilm formation in bone cavities by photodynamic therapy. Photodiagnosis and Photodynamic Therapy, 2018, 21, 219-223.	2.6	29
86	Strategies to Improve the Antimicrobial Efficacy of Photodynamic, Sonodynamic, and Sonophotodynamic Therapies. Lasers in Surgery and Medicine, 2021, 53, 1113-1121.	2.1	29
87	Longitudinal effect of curcumin-photodynamic antimicrobial chemotherapy in adolescents during fixed orthodontic treatment: a single-blind randomized clinical trial study. Lasers in Medical Science, 2015, 30, 2059-2065.	2.1	28
88	Long Term Effectiveness of Photodynamic Therapy for CIN Treatment. Pharmaceuticals, 2019, 12, 107.	3.8	28
89	Photodynamic inactivation mediated by methylene blue or chlorin e6 against Streptococcus mutans biofilm. Photodiagnosis and Photodynamic Therapy, 2020, 31, 101817.	2.6	28
90	Evaluation of Fluorescence of Dental Composites Using Contrast Ratios to Adjacent Tooth Structure: A Pilot Study. Journal of Esthetic and Restorative Dentistry, 2007, 19, 199-206.	3.8	27

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91	In vivo evaluation of photodynamic inactivation using PhotodithazineÂ® against Candida albicans. Photochemical and Photobiological Sciences, 2015, 14, 1319-1328.	2.9	27
92	Potential of curcumin-mediated photodynamic inactivation to reduce oral colonization. Photodiagnosis and Photodynamic Therapy, 2016, 15, 46-52.	2.6	27
93	Photodynamic Inactivation of Cariogenic Pathogens Using Curcumin as Photosensitizer. Photomedicine and Laser Surgery, 2017, 35, 259-263.	2.0	27
94	Boseâ€“Einstein condensation on curved manifolds. New Journal of Physics, 2020, 22, 063059.	2.9	27
95	The potential of phototherapy to reduce body fat, insulin resistance and â€œmetabolic inflexibilityâ€• related to obesity in women undergoing weight loss treatment. Lasers in Surgery and Medicine, 2015, 47, 634-642.	2.1	26
96	Photoinactivation of single and mixed biofilms of Candida albicans and non-albicans Candida species using PhotodithazineÂ®. Photodiagnosis and Photodynamic Therapy, 2017, 17, 194-199.	2.6	26
97	Ultrasound plus low-level laser therapy for knee osteoarthritis rehabilitation: a randomized, placebo-controlled trial. Rheumatology International, 2018, 38, 785-793.	3.0	26
98	A Novel 785-nm Laser Diode-Based System for Standardization of Cell Culture Irradiation. Photomedicine and Laser Surgery, 2013, 31, 466-473.	2.0	25
99	Boseâ€“Einstein condensation in spherically symmetric traps. American Journal of Physics, 2019, 87, 924-934.	0.7	25
100	Evaluation of vascular effect of Photodynamic Therapy in chorioallantoic membrane using different photosensitizers. Journal of Photochemistry and Photobiology B: Biology, 2014, 138, 1-7.	3.8	24
101	Single visit PDT for basal cell carcinoma â€“ A new therapeutic protocol. Photodiagnosis and Photodynamic Therapy, 2019, 26, 375-382.	2.6	24
102	Noninvasive assessments of skin glycated proteins by fluorescence and Raman techniques in diabetics and nondiabetics. Journal of Biophotonics, 2019, 12, e201800162.	2.3	23
103	Nebulization as a tool for photosensitizer delivery to the respiratory tract. Journal of Biophotonics, 2019, 12, e201800189.	2.3	23
104	Photolarvicidal effect of curcuminoids from Curcuma longa Linn. against Aedes aegypti larvae. Journal of Asia-Pacific Entomology, 2019, 22, 151-158.	0.9	23
105	Evaluation of Antimicrobial Photodynamic Therapy against Streptococcus mutans Biofilm in situ. Journal of Contemporary Dental Practice, 2016, 17, 184-191.	0.5	23
106	Effects of excess body mass on strength and fatigability of quadriceps in postmenopausal women. Menopause, 2012, 19, 556-561.	2.0	22
107	Correlation between light transmission and permeability of human dentin. Lasers in Medical Science, 2012, 27, 191-196.	2.1	22
108	Low-Level Laser Therapy in Pediatric Bell's Palsy: Case Report in a Three-Year-Old Child. Journal of Alternative and Complementary Medicine, 2013, 19, 376-382.	2.1	22

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109	Antimicrobial Photodynamic Therapy mediated by PhotodithazineÂ® in the treatment of denture stomatitis: A case report. Photodiagnosis and Photodynamic Therapy, 2018, 21, 168-171.	2.6	22
110	Vascular Effects of Photodynamic Therapy with Curcumin in a Chorioallantoic Membrane Model. International Journal of Molecular Sciences, 2019, 20, 1084.	4.1	22
111	Optimized Photodynamic Therapy with Systemic Photosensitizer Following Debulking Technique for Nonmelanoma Skin Cancers. Dermatologic Surgery, 2007, 33, 194-198.	0.8	21
112	Phototherapy and resistance training prevent sarcopenia in ovariectomized rats. Lasers in Medical Science, 2013, 28, 1467-1474.	2.1	21
113	Validation of Photodynamic Action via Photobleaching of a New Curcumin-Based Composite with Enhanced Water Solubility. Journal of Fluorescence, 2014, 24, 1407-1413.	2.5	21
114	Can low-level laser therapy (LLLT) associated with an aerobic plus resistance training change the cardiometabolic risk in obese women? A placebo-controlled clinical trial. Journal of Photochemistry and Photobiology B: Biology, 2015, 153, 103-110.	3.8	21
115	Overall Results for a National Program of Photodynamic Therapy for Basal Cell Carcinoma: A Multicenter Clinical Study to Bring New Techniques to Social Health Care. Cancer Control, 2019, 26, 107327481985688.	1.8	21
116	Photodithazine-mediated antimicrobial photodynamic therapy against fluconazole-resistant Candida albicans in vivo. Medical Mycology, 2019, 57, 609-617.	0.7	21
117	Dual-Agent Photodynamic Therapy with Optical Clearing Eradicates Pigmented Melanoma in Preclinical Tumor Models. Cancers, 2020, 12, 1956.	3.7	21
118	Curcumin in formulations against Aedes aegypti: Mode of action, photolarvicidal and ovicidal activity. Photodiagnosis and Photodynamic Therapy, 2020, 31, 101840.	2.6	21
119	An update on clinical photodynamic therapy for fighting respiratory tract infections: a promising tool against COVID-19 and its co-infections. Laser Physics Letters, 2020, 17, 083001.	1.4	21
120	Photodynamic viral inactivation: Recent advances and potential applications. Applied Physics Reviews, 2021, 8, 021315.	11.3	21
121	TNFÎ± siRNA delivery by nanoparticles and photochemical internalization for psoriasis topical therapy. Journal of Controlled Release, 2021, 338, 316-329.	9.9	21
122	Fluorescence guided PDT for optimization of the outcome of skin cancer treatment. Frontiers in Physics, 0, 3, .	2.1	20
123	Assessment of ALAâ€induced PpIX production in porcine skin pretreated with microneedles. Journal of Biophotonics, 2015, 8, 723-729.	2.3	20
124	Toxicity of photodynamic therapy with LED associated to PhotogemÂ®: An in vivo study. Lasers in Medical Science, 2012, 27, 403-411.	2.1	19
125	Self-similar Expansion of a Turbulent Bose-Einstein Condensate: A Generalized Hydrodynamic Model. Journal of Low Temperature Physics, 2013, 170, 133-142.	1.4	19
126	Analysis of off-axis solenoid fields using the magnetic scalar potential: An application to a Zeeman-slower for cold atoms. American Journal of Physics, 2015, 83, 513-517.	0.7	19

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127	Light-emitting diode therapy (photobiomodulation) effects on oxygen uptake and cardiac output dynamics during moderate exercise transitions: a randomized, crossover, double-blind, and placebo-controlled study. Lasers in Medical Science, 2018, 33, 1065-1071.	2.1	19
128	A randomized clinical trial evaluating Photodithazine-mediated Antimicrobial Photodynamic Therapy as a treatment for Denture stomatitis. Photodiagnosis and Photodynamic Therapy, 2020, 32, 102041.	2.6	19
129	Graphene Oxide Theranostic Effect: Conjugation of Photothermal and Photodynamic Therapies Based on an in vivo Demonstration. International Journal of Nanomedicine, 2021, Volume 16, 1601-1616.	6.7	19
130	Safety assessment of oral photodynamic therapy in rats. Lasers in Medical Science, 2013, 28, 479-486.	2.1	18
131	Transdentinal Cell Photobiomodulation Using Different Wavelengths. Operative Dentistry, 2015, 40, 102-111.	1.2	18
132	Low-level laser therapy (LLLT) associated with aerobic plus resistance training to improve inflammatory biomarkers in obese adults. Lasers in Medical Science, 2015, 30, 1553-1563.	2.1	18
133	Photodynamic therapy: Progress toward a scientific and clinical network in Latin America. Photodiagnosis and Photodynamic Therapy, 2016, 13, 261-266.	2.6	18
134	Treatment of recurrent pharyngotonsillitis by photodynamic therapy. Photodiagnosis and Photodynamic Therapy, 2017, 18, 138-139.	2.6	18
135	Thermography Applied During Exercises With or Without Infrared Light-Emitting Diode Irradiation: Individual and Comparative Analysis. Photomedicine and Laser Surgery, 2013, 31, 349-355.	2.0	17
136	Vortex Reconnections in Anisotropic Trapped Three-Dimensional Boseâ€“Einstein Condensates. Journal of Low Temperature Physics, 2015, 180, 133-143.	1.4	17
137	The effect of combined curcumin-mediated photodynamic therapy and artificial skin on Staphylococcus aureusâ€“infected wounds in rats. Lasers in Medical Science, 2020, 36, 1219-1226.	2.1	17
138	Ablation rate and micromorphological aspects with Nd:YAG picosecond pulsed laser on primary teeth. Lasers in Surgery and Medicine, 2002, 31, 177-185.	2.1	16
139	Fluorescence spectroscopy to diagnose hepatic steatosis in a rat model of fatty liver. Liver International, 2009, 29, 331-336.	3.9	16
140	Light-emitting diode therapy (LEDT) improves functional capacity in rats with heart failure. Lasers in Medical Science, 2016, 31, 937-944.	2.1	16
141	Virulence factors of fluconazole-susceptible and fluconazole-resistant Candida albicans after antimicrobial photodynamic therapy. Lasers in Medical Science, 2017, 32, 815-826.	2.1	16
142	Effects of light-emitting diode therapy (LEDT) on cardiopulmonary and hemodynamic adjustments during aerobic exercise and glucose levels in patients with diabetes mellitus: A randomized, crossover, double-blind and placebo-controlled clinical trial. Complementary Therapies in Medicine, 2019, 42, 178-183.	2.7	16
143	Recent Advances in Combined Photothermal and Photodynamic Therapies against Cancer Using Carbon Nanomaterial Platforms for In Vivo Studies. Photochem, 2021, 1, 434-450.	2.2	16
144	Influence of the hydration state on the ultrashort laser ablation of dental hard tissues. Lasers in Medical Science, 2013, 28, 215-222.	2.1	15

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145	Low-level laser therapy for osteonecrotic lesions: effects on osteoblasts treated with zoledronic acid. Supportive Care in Cancer, 2014, 22, 2741-2748.	2.2	15
146	Application of photodynamic therapy, laser therapy, and a cellulose membrane for calcaneal pressure ulcer treatment in a diabetic patient: A case report. Photodiagnosis and Photodynamic Therapy, 2017, 19, 235-238.	2.6	15
147	Curcumin/dâ€mannitol as photolarvicide: induced delay in larval development time, changes in sex ratio and reduced longevity of <scp>Aedes aegypti</scp>. Pest Management Science, 2021, 77, 2530-2538.	3.4	15
148	Dissolving microneedles containing aminolevulinic acid improves protoporphyrin <scp>IX</scp> distribution. Journal of Biophotonics, 2021, 14, e202000128.	2.3	15
149	Histopathology and laser autofluorescence of ischemic kidneys of rats. Lasers in Medical Science, 2009, 24, 397-404.	2.1	14
150	Determination of post-mortem interval using in situ tissue optical fluorescence. Optics Express, 2009, 17, 8185.	3.4	14
151	Necrosis response to photodynamic therapy using light pulses in the femtosecond regime. Lasers in Medical Science, 2013, 28, 1177-1182.	2.1	14
152	Interstitial PDT using diffuser fiberâ€”investigation in phantom and in vivo models. Lasers in Medical Science, 2017, 32, 1009-1016.	2.1	14
153	Rat tissue reaction and cytokine production induced by antimicrobial photodynamic therapy. Photodiagnosis and Photodynamic Therapy, 2017, 18, 315-318.	2.6	14
154	Manual Operated Ultraviolet Surface Decontamination for Healthcare Environments. Photomedicine and Laser Surgery, 2017, 35, 666-671.	2.0	14
155	Violet LED for non-vital tooth bleaching as a new approach. Photodiagnosis and Photodynamic Therapy, 2019, 28, 234-237.	2.6	14
156	Norovirus recovery from floors and air after various decontamination protocols. Journal of Hospital Infection, 2019, 103, 328-334.	2.9	14
157	Photodynamic and Sonodynamic Therapy with Protoporphyrin IX: In Vitro and In Vivo Studies. Ultrasound in Medicine and Biology, 2021, 47, 1032-1044.	1.5	14
158	Effects of photobiomodulation on the redox state of healthy and cancer cells. Biomedical Optics Express, 2021, 12, 3902.	2.9	14
159	Effect of therapeutic dose X rays on mechanical and chemical properties of esthetic dental materials. Materials Research, 2008, 11, 313-318.	1.3	13
160	Hematoporphyrinâ€based photodynamic therapy for cutaneous squamous cell carcinoma in cats. Veterinary Dermatology, 2009, 20, 174-178.	1.2	13
161	Influence of effective number of pulses on the morphological structure of teeth and bovine femur after femtosecond laser ablation. Journal of Biomedical Optics, 2012, 17, 048001.	2.6	13
162	Effect of low-level laser therapy on odontoblast-like cells exposed to bleaching agent. Lasers in Medical Science, 2014, 29, 1533-1538.	2.1	13

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163	Single LED-based device to perform widefield fluorescence imaging and photodynamic therapy. , 2015, , .		13
164	Can low-level laser therapy when associated to exercise decrease adipocyte area?. Journal of Photochemistry and Photobiology B: Biology, 2015, 149, 21-26.	3.8	13
165	Development and comparison of two devices for treatment of onychomycosis by photodynamic therapy. Journal of Biomedical Optics, 2015, 20, 061109.	2.6	13
166	Effects of Low-Level Laser Therapy Applied Before Treadmill Training on Recovery of Injured Skeletal Muscle in Wistar Rats. Photomedicine and Laser Surgery, 2016, 34, 187-193.	2.0	13
167	Cytotoxicity of antimicrobial photodynamic inactivation on epithelial cells when co-cultured with Candida albicans. Photochemical and Photobiological Sciences, 2016, 15, 682-690.	2.9	13
168	Chemiluminescence as a PDT light source for microbial control. Journal of Photochemistry and Photobiology B: Biology, 2011, 103, 87-92.	3.8	12
169	Strongly Nonequilibrium Bose-Condensed Atomic Systems. Journal of Low Temperature Physics, 2015, 180, 53-67.	1.4	12
170	Biodegradable Silicaâ€Based Nanoparticles with Improved and Safe Delivery of Protoporphyrin IX for the In Vivo Photodynamic Therapy of Breast Cancer. Advanced Therapeutics, 2020, 3, 2000022.	3.2	12
171	Synergetic antimicrobial effect of chlorin e6 and hydrogen peroxide on multi-species biofilms. Biofouling, 2021, 37, 656-665.	2.2	12
172	Synergic dual phototherapy: Cationic imidazolyl photosensitizers and ciprofloxacin for eradication of in vitro and in vivo E. coli infections. Journal of Photochemistry and Photobiology B: Biology, 2022, 233, 112499.	3.8	12
173	Different Photoresponses of Microorganisms: From Bioinhibition to Biostimulation. Current Microbiology, 2016, 72, 473-481.	2.2	11
174	The effects of exercise training associated with low-level laser therapy on biomarkers of adipose tissue transdifferentiation in obese women. Lasers in Medical Science, 2018, 33, 1245-1254.	2.1	11
175	Evolution of surviving Streptoccocus pyogenes from pharyngotonsillitis patients submit to multiple cycles of antimicrobial photodynamic therapy. Journal of Photochemistry and Photobiology B: Biology, 2020, 210, 111985.	3.8	11
176	Intra-scales energy transfer during the evolution of turbulence in a trapped Bose-Einstein condensate. Europhysics Letters, 2020, 130, 46001.	2.0	11
177	Photodynamic therapry with curcumin in the reduction of enterococcus faecalis biofilm in bone cavity: rMicrobiological and spectral fluorescense analysis. Photodiagnosis and Photodynamic Therapy, 2021, 33, 102084.	2.6	11
178	Photodynamic therapy associating PhotogemÂ® and blue LED on L929 and MDPCâ€23 cell culture. Cell Biology International, 2010, 34, 343-351.	3.0	10
179	Phototherapy during treadmill training improves quadriceps performance in postmenopausal women. Climacteric, 2014, 17, 285-293.	2.4	10
180	Effect of photodynamic therapy on the skin using the ultrashort laser ablation. Journal of Biophotonics, 2014, 7, 631-637.	2.3	10

#	Article	IF	Citations
181	Fluorescence evaluations for porphyrin formation during topical PDT using ALA and methyl-ALA mixtures in pig skin models. Photodiagnosis and Photodynamic Therapy, 2016, 15, 236-244.	2.6	10
182	Nearâ€“infrared photodynamic inactivation of S. pneumoniae and its interaction with RAW 264.7 macrophages. Journal of Biophotonics, 2018, 11, e201600283.	2.3	10
183	Advanced Glycation Endproducts as Biomarkers for Risk of Diabetes and Cardiovascular Diseases by Skin Autofluorescence: A Noninvasive Optical Screening. Photobiomodulation, Photomedicine, and Laser Surgery, 2019, 37, 168-174.	1.4	10
184	Photodynamic inactivation for in vitro decontamination of Staphylococcus aureus in whole blood. Photodiagnosis and Photodynamic Therapy, 2019, 28, 58-64.	2.6	10
185	Optimization for microbial incorporation and efficiency of photodynamic therapy using variation on curcumin formulation. Photodiagnosis and Photodynamic Therapy, 2020, 29, 101652.	2.6	10
186	Use of dermograph for improvement of PpIX precursorâ€™s delivery in photodynamic therapy: Experimental and clinical pilot studies. Photodiagnosis and Photodynamic Therapy, 2020, 29, 101599.	2.6	10
187	Photobiomodulation therapy drives massive epigenetic histone modifications, stem cells mobilization and accelerated epithelial healing. Journal of Biophotonics, 2021, 14, e202000274.	2.3	10
188	Photobiomodulation effects on photodynamic therapy in HNSCC cell lines. Journal of Photochemistry and Photobiology B: Biology, 2021, 217, 112170.	3.8	10
189	Determination of the threshold dose distribution in photodynamic action from in vitro experiments. Journal of Photochemistry and Photobiology B: Biology, 2016, 162, 168-175.	3.8	9
190	Dental Bleaching Using Violet Light Alone: Clinical Case Report. Dentistry (Sunnyvale, Calif), 2017, 7, .	0.1	9
191	A threshold dose distribution approach for the study of PDT resistance development. Journal of Photochemistry and Photobiology B: Biology, 2018, 182, 85-91.	3.8	9
192	Discrimination of benign-versus-malignant skin lesions by thermographic images using support vector machine classifier. Journal of Applied Physics, 2018, 124, .	2.5	9
193	Fluorescence spectroscopy of Candida albicans biofilms in bone cavities treated with photodynamic therapy using blue LED (450â€‰nm) and curcumin. Photodiagnosis and Photodynamic Therapy, 2019, 26, 366-370.	2.6	9
194	Safety and delivery efficiency of a photodynamic treatment of the lungs using indocyanine green and extracorporeal near infrared illumination. Journal of Biophotonics, 2020, 13, e202000176.	2.3	9
195	Porphyrinâ€“Nanodiamond Hybrid Materialsâ€”Active, Stable and Reusable Cyclohexene Oxidation Catalysts. Catalysts, 2020, 10, 1402.	3.5	9
196	Environmental safety and mode of action of a novel curcumin-based photolarvicide. Environmental Science and Pollution Research, 2020, 27, 29204-29217.	5.3	9
197	Development of a system to treat and online monitor photodynamic therapy of skin cancer using PpIX near-infrared fluorescence. Photodiagnosis and Photodynamic Therapy, 2020, 30, 101680.	2.6	9
198	Evaluation of the Whitening Effectiveness of Violet Illumination Alone or Combined with Hydrogen Peroxide Gel. Photobiomodulation, Photomedicine, and Laser Surgery, 2021, 39, 395-402.	1.4	9

#	Article	IF	Citations
199	Treatment of facial nerve palsies with laser and endermotherapy: a report of two cases. Laser Physics Letters, 2021, 18, 015601.	1.4	9
200	Effect of curcumin-encapsulated PluronicÂ® F-127 over duo-species biofilm of Streptococcus mutans and Candida albicans. Lasers in Medical Science, 2022, 37, 1775-1786.	2.1	9
201	Photobiomodulation therapy for treatment olfactory and taste dysfunction ‹scp›COVID‹/scp›â€19â€related: A case report. Journal of Biophotonics, 2022, 15, e202200058.	2.3	9
202	Enhancement of Liver Regeneration by the Association of Hyptis pectinata with Laser Therapy. Digestive Diseases and Sciences, 2005, 50, 949-954.	2.3	8
203	Non-homogeneous liver distribution of photosensitizer and its consequence for photodynamic therapy outcome. Photodiagnosis and Photodynamic Therapy, 2010, 7, 189-200.	2.6	8
204	Evidence of 5-aminolevulinic acid (ALA) penetration increase due to microdrilling in soft tissue using femtosecond laser ablation. Lasers in Medical Science, 2012, 27, 1067-1071.	2.1	8
205	One-repetition maximum test and isokinetic leg extension and flexion: Correlations and predicted values. Isokinetics and Exercise Science, 2013, 21, 69-76.	0.4	8
206	Effects of Laser Irradiation on Pulp Cells Exposed to Bleaching Agents. Photochemistry and Photobiology, 2014, 90, 201-206.	2.5	8
207	Biophotonics and the Life Sciences. Photomedicine and Laser Surgery, 2015, 33, 531-532.	2.0	8
208	Fluorescence spectroscopy of teeth and bones of rats to assess demineralization: In vitro, in vivo and ex vivo studies. Journal of Photochemistry and Photobiology B: Biology, 2016, 165, 291-297.	3.8	8
209	Effects of phototherapy plus physical training on metabolic profile and quality of life in postmenopausal women. Journal of Cosmetic and Laser Therapy, 2017, 19, 364-372.	0.9	8
210	Oral cancer from the perspective of wide-field optical fluorescence: Diagnosis, tumor evolution and post-treatment follow up. Photodiagnosis and Photodynamic Therapy, 2017, 19, 239-242.	2.6	8
211	Optical techniques for the diagnosis and treatment of lesions induced by the human papillomavirus â€" A resource letter. Photodiagnosis and Photodynamic Therapy, 2018, 23, 106-110.	2.6	8
212	Total mouth photodynamic therapy mediated by blue led and curcumin in individuals with AIDS. Expert Review of Anti-Infective Therapy, 2020, 18, 689-696.	4.4	8
213	Cooperative and competitive antimicrobial photodynamic effects induced by a combination of methylene blue and curcumin. Laser Physics Letters, 2021, 18, 075601.	1.4	8
214	Biofilm Destruction on Endotracheal Tubes by Photodynamic Inactivation. Infectious Disorders - Drug Targets, 2018, 18, 218-223.	0.8	8
215	Oral squamous papilloma: a view under clinical, fluorescence and histopathological aspects. Einstein (Sao Paulo, Brazil), 2019, 17, eRC4624.	0.7	8
216	How can biophotonics help dentistry to avoid or minimize cross infection by SARS-CoV-2?. Photodiagnosis and Photodynamic Therapy, 2022, 37, 102682.	2.6	8

#	Article	IF	Citations
217	Formulations of curcumin and d-mannitol as a photolarvicide against Aedes aegypti larvae: Sublethal photolarvicidal action, toxicity, residual evaluation, and small-scale field trial. Photodiagnosis and Photodynamic Therapy, 2022, 38, 102740.	2.6	8
218	Photodynamic therapy for the treatment of induced mammary tumor in rats. Lasers in Medical Science, 2013, 28, 571-577.	2.1	7
219	Tkachenko Polarons in Vortex Lattices. Physical Review Letters, 2013, 111, 115304.	7.8	7
220	Fluorescence spectroscopy as a tool to in vivo discrimination of distinctive skin disorders. Photodiagnosis and Photodynamic Therapy, 2017, 19, 45-50.	2.6	7
221	Matter wave speckle observed in an out-of-equilibrium quantum fluid. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 12691-12695.	7.1	7
222	Photonic technology for the treatments of venous and arterial ulcers: Case report. Photodiagnosis and Photodynamic Therapy, 2018, 22, 39-41.	2.6	7
223	Concept for an augmented intelligence-based quality assurance of assembly tasks in global value networks. Procedia CIRP, 2021, 97, 423-428.	1.9	7
224	Bacterial Photoinactivation Using PLGA Electrospun Scaffolds. ACS Applied Materials & Interfaces, 2021, 13, 31406-31417.	8.0	7
225	HPV-induced condylomata acuminata treated by Photodynamic Therapy in comparison with trichloroacetic acid: A randomized clinical trial. Photodiagnosis and Photodynamic Therapy, 2021, 35, 102465.	2.6	7
226	LED light attenuation through human dentin: a first step toward pulp photobiomodulation after cavity preparation. American Journal of Dentistry, 2013, 26, 319-23.	0.1	7
227	Randomized and Controlled Clinical Studies on Antibacterial Photodynamic Therapy: An Overview. Photonics, 2022, 9, 340.	2.0	7
228	A terapia fotodinÃ¢mica com Ã¡cido 5-aminolevulÃnico como modalidade de tratamento para neoplasias cutÃ¢neas nÃ£o-melanoma. Anais Brasileiros De Dermatologia, 2008, 83, 309-316.	1.1	6
229	The Brazilian time and frequency atomic standards program. Anais Da Academia Brasileira De Ciencias, 2008, 80, 217-252.	0.8	6
230	Femtosecond laser ablation profile near an interface: Analysis based on the correlation with superficial properties of individual materials. Applied Surface Science, 2011, 257, 2419-2422.	6.1	6
231	Coherent control of quantum collapse in a Bosonic Josephson junction by modulation of the scattering length. New Journal of Physics, 2013, 15, 113012.	2.9	6
232	Optimization of Photodynamic Therapy Using Negative Pressure. Photomedicine and Laser Surgery, 2014, 32, 296-301.	2.0	6
233	Effect of irradiation with different laser wavelengths on oxidative stress of non-hepatectomized rats. Acta Cirurgica Brasileira, 2016, 31, 40-44.	0.7	6
234	A quantitative study of in vivo protoporphyrin IX fluorescence build up during occlusive treatment phases. Photodiagnosis and Photodynamic Therapy, 2017, 18, 204-207.	2.6	6

#	Article	IF	Citations
235	Firearm Projectile in the Maxillary Tuberosity Located by Adjunctive Examination of Wide-Field Optical Fluorescence. Photomedicine and Laser Surgery, 2018, 36, 112-115.	2.0	6
236	Field cancerization treatment using topical photodynamic therapy: A comparison between two aminolevulinate derivatives. Photodiagnosis and Photodynamic Therapy, 2020, 30, 101603.	2.6	6
237	Entropy of a Turbulent Bose-Einstein Condensate. Entropy, 2020, 22, 956.	2.2	6
238	Photodynamic therapy as a treatment option for multiple pigmented basal cell carcinoma: Long-term follow-up results. Photodiagnosis and Photodynamic Therapy, 2021, 33, 102154.	2.6	6
239	Effect of laser on the remnant liver after the first 24 hours following 70% hepatectomy in rats. Acta Cirurgica Brasileira, 2011, 26, 470-474.	0.7	6
240	Tumor radiosensitization by photobiomodulation. Journal of Photochemistry and Photobiology B: Biology, 2021, 225, 112349.	3.8	6
241	Effects of methylene blue and curcumin photosensitizers on the color stability of endodontically treated intraradicular dentin. Photodiagnosis and Photodynamic Therapy, 2022, 37, 102650.	2.6	6
242	A look at photodynamic inactivation as a tool for pests and vector-borne diseases control. Laser Physics Letters, 2022, 19, 025601.	1.4	6
243	A Multicenter Clinical Study of Expected and Unexpected Side Reactions During and After Skin Cancer Treatment by Photodynamic Therapy. Skinmed, 2017, 15, 113-118.	0.0	6
244	Lung surfactant negatively affects the photodynamic inactivation of bacteriaâ€”inÂvitro and molecular dynamic simulation analyses. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	6
245	A 12-month follow-up of hypopigmentation after laser hair removal. Journal of Cosmetic and Laser Therapy, 2013, 15, 80-84.	0.9	5
246	Molecular analyses of two bacterial sampling methods in ligatureâ€induced periodontitis in rats. Clinical and Experimental Dental Research, 2018, 4, 19-24.	1.9	5
247	Prophylactic application of laser light restores L-FABP expression in the livers of rats submitted to partial ischemia. Clinics, 2018, 73, e113.	1.5	5
248	Vortices in low-density neutron matter and cold Fermi gases. Physical Review C, 2019, 100, .	2.9	5
249	Topical and intradermal delivery of PpIX precursors for photodynamic therapy with intense pulsed light on porcine skin model. Lasers in Medical Science, 2019, 34, 1781-1790.	2.1	5
250	Short-term and long-term effects of osteoporosis on incisor teeth and femoral bones evaluated by Raman spectroscopy and energy dispersive X-ray analysis in ovariectomized rats. Journal of Bone and Mineral Metabolism, 2019, 37, 18-27.	2.7	5
251	Photodynamic therapy in combination with surgery for the treatment of an extensive squamous cell carcinoma in situ - A case report. Photodiagnosis and Photodynamic Therapy, 2020, 30, 101700.	2.6	5
252	Momentum distribution of Vinen turbulence in trapped atomic Boseâ€“Einstein condensates. European Physical Journal: Special Topics, 2021, 230, 809-812.	2.6	5

#	Article	IF	Citations
253	Photobiomodulation Therapy in Burn Wound Healing: Systematic Review and Meta-Analysis of Preclinical Studies. Photobiomodulation, Photomedicine, and Laser Surgery, 2021, 39, 439-452.	1.4	5
254	Field cancerization treatment: Adjustments to an ALA red light photodynamic therapy protocol to improve pain tolerance. Photodiagnosis and Photodynamic Therapy, 2021, 35, 102415.	2.6	5
255	MCTDHB Physics and Technologies: Excitations and Vorticity, Single-Shot Detection, Measurement of Fragmentation, and Optimal Control in Correlated Ultra-Cold Bosonic Many-Body Systems. , 2016, , 23-49.		5
256	New perspectives for optical techniques in diagnostic and treatment of hepatic diseases. Acta Cirurgica Brasileira, 2010, 25, 214-216.	0.7	5
257	Clinical Protocol Standardized in a Public Health System Using a Prototype for Actinic Keratosis and Field Cancerization Treatment. Zhong Liu Za Zhi, 2016, 4, 407-410.	0.3	5
258	Preparation and characterization of curcumin and pomegranate peel extract chitosan/gelatin-based Films and their photoinactivation of bacteria. Materials Today Communications, 2022, 31, 103791.	1.9	5
259	Fluorescence Spectroscopy in Renal Ischemia and Reperfusion: Noninvasive Evaluation of Organ Viability. Transplantation Proceedings, 2013, 45, 1715-1719.	0.6	4
260	Impact of fat distribution on metabolic, cardiovascular and symptomatic aspects in postmenopausal women. International Journal of Diabetes in Developing Countries, 2014, 34, 32-39.	0.8	4
261	Evaluation of acute effect of light-emitting diode (LED) phototherapy on muscle deoxygenation and pulmonary oxygen uptake kinetics in patients with diabetes mellitus: study protocol for a randomized controlled trial. Trials, 2015, 16, 572.	1.6	4
262	Possibility for the Conjugated Use of Photodynamic Therapy and Electrosurgical Devices. PLoS ONE, 2015, 10, e0136194.	2.5	4
263	Thermographic diagnostics to discriminate skin lesions: a clinical study. Proceedings of SPIE, 2015, , .	0.8	4
264	Investigation of the Momentum Distribution of an Excited BEC by Free Expansion: Coupling with Collective Modes. Journal of Low Temperature Physics, 2015, 180, 126-132.	1.4	4
265	PDT and emerging therapies for Actinic Keratosisâ€"A resource letter. Photodiagnosis and Photodynamic Therapy, 2017, 17, 205-207.	2.6	4
266	Photostimulation effects on chicken egg development: Perspectives on human newborn treatment. Journal of Biophotonics, 2018, 11, e201700046.	2.3	4
267	Increased Oral Health-Related Quality of Life Postsynergistic Treatment with Ultrasound and Photobiomodulation Therapy in Patients with Temporomandibular Disorders. Photobiomodulation, Photomedicine, and Laser Surgery, 2019, 37, 694-699.	1.4	4
268	Hairy Tongue: Differential Diagnosis by Use of Widefield Optical Fluorescence. Brazilian Dental Journal, 2019, 30, 191-196.	1.1	4
269	Energy analysis of PDT using thermography during the treatment of basal cell carcinoma. Photodiagnosis and Photodynamic Therapy, 2020, 29, 101586.	2.6	4
270	Inhibitory effect of red LED irradiation on fibroblasts and co-culture of adipose-derived mesenchymal stem cells. Heliyon, 2020, 6, e03882.	3.2	4

#	Article	IF	Citations
271	A pilot study on the effects of transcutaneous and transmucosal laser irradiation on blood pressure, glucose and cholesterol in women. Heliyon, 2021, 7, e07110.	3.2	4
272	Physiotherapy elastic band disinfection by UV-C irradiation in an intensive care unit. Photodiagnosis and Photodynamic Therapy, 2021, 34, 102262.	2.6	4
273	Total mouth photodynamic therapy mediated by red LED and porphyrin in individuals with AIDS. Lasers in Medical Science, 2021, , 1.	2.1	4
274	Miscibility Regimes in a 23Naâ€“39K Quantum Mixture. Applied Sciences (Switzerland), 2021, 11, 9099.	2.5	4
275	Sonophotodynamic Therapy for the inactivation of Staphylococcus aureus biofilm. , 2019, , .		4
276	Ultrasound device as a minimally invasive approach for caries dentin removal. Brazilian Dental Journal, 2022, 33, 57-67.	1.1	4
277	The Physics of Light and Sound in the Fight Against Skin Cancer. Brazilian Journal of Physics, 2022, 52, .	1.4	4
278	Dose Response Effect of Photobiomodulation on Hemodynamic Responses and Glucose Levels in Men with Type 2 Diabetes: A Randomized, Crossover, Double-Blind, Sham-Controlled Trial. Photonics, 2022, 9, 481.	2.0	4
279	Led enhancement in mitochondrial oxidative phosphorylation for hepatectomized rats. Acta Cirurgica Brasileira, 2002, 17, 92-95.	0.7	3
280	Pulmonary decontamination for photodynamic inactivation with extracorporeal illumination. , 2014, , .		3
281	Nonlinear Dependence Observed in Quadrupolar Collective Excitation of a Trapped BEC. Journal of Low Temperature Physics, 2015, 180, 144-152.	1.4	3
282	Adapting smartphones for low-cost optical medical imaging. , 2015, , .		3
283	Blue LED irradiation to hydration of skin. Proceedings of SPIE, 2015, , .	0.8	3
284	Photodynamic Therapy, Laser Therapy and Cellulose Membrane for the Healing of Venous Ulcers: Results of a Pilot Study. Journal of Nursing & Care, 2017, 06, .	0.1	3
285	Raman Microspectroscopy as a Tool to Elucidate the Efficacy of Topical Formulations Containing Curcumin. Pharmaceuticals, 2019, 12, 44.	3.8	3
286	Acceleration of newborn ratsâ€™ development with the use of photobiomodulation and the near possibility of application in human premature babies. Journal of Biophotonics, 2019, 12, e201800461.	2.3	3
287	Temperature effect on the PpIX production during the use of topical precursors. Photodiagnosis and Photodynamic Therapy, 2020, 30, 101786.	2.6	3
288	HPV condylomatosis region treated with multiple sessions of MAL-PDT: A case report. Photodiagnosis and Photodynamic Therapy, 2020, 31, 101812.	2.6	3

#	Article	IF	Citations
289	Longitudinal, Randomized, and Parallel Clinical Trial Comparing a Violet Light-Emitting Diodes System and In-Office Dental Bleaching: 6-Month Follow-Up. Photobiomodulation, Photomedicine, and Laser Surgery, 2021, 39, 403-410.	1.4	3
290	Synergic effects of ultrasound and laser therapies on mesentery for management of obesity and diabetes in rats. Journal of Biophotonics, 2021, 14, e202100109.	2.3	3
291	Optical Based Diagnosis and Treatment of Onychomycosis. , 2016, , .		3
292	Effect of the Curing Temperature of Dental Composites evaluated with a Fluorescent Dye. Journal of Contemporary Dental Practice, 2018, 19, 3-12.	0.5	3
293	Perimetric Distributed UV Reactor and Its Validation and the Decontamination of Fresh Broccolis. American Journal of Applied Chemistry, 2019, 7, 161.	0.4	3
294	Photodynamic therapy of extrahepatic cholangiocarcinoma using digital cholangioscopy. Arquivos Brasileiros De Cirurgia Digestiva: ABCD = Brazilian Archives of Digestive Surgery, 2020, 33, e1490.	0.5	3
295	Investigation on the in vitro anti-Trichophyton activity of photosensitizers. Photochemical and Photobiological Sciences, 2022, 21, 1185-1192.	2.9	3
296	Optical technologies for antibacterial control of fresh meat on display. LWT - Food Science and Technology, 2022, 160, 113213.	5.2	3
297	Bond strength of dental adhesive systems irradiated with ionizing radiation. Journal of Adhesive Dentistry, 2010, 12, 123-8.	0.5	3
298	Investigations on the Loading of a Two-Color Vapor-Cell Magneto-Optic Trap for Sodium Atoms. Japanese Journal of Applied Physics, 1997, 36, 5310-5316.	1.5	2
299	Enhanced visualization of histological samples with an adjustable RGB contrast system with application for tissue used in photodynamic therapy. Microscopy Research and Technique, 2008, 71, 403-408.	2.2	2
300	Microneedles rollers as a potential device to increase ALA diffusion and PpIX production: evaluations by wide-field fluorescence imaging and fluorescence spectroscopy. , 2014, , .		2
301	Photodynamic inactivation of microorganisms which cause pulmonary diseases with infrared light: anin vitrostudy. , 2014, , .		2
302	Luz para o progresso do conhecimento e suporte da vida. Revista Brasileira De Ensino De Fisica, 2015, 37, 4206-1-4206-8.	0.2	2
303	Fluorescence spectroscopy for assessment of liver transplantation grafts concerning graft viability and patient survival. Proceedings of SPIE, 2015, , .	0.8	2
304	Evaluation of photodynamic effects of curcumin against the dengue vector â€“ Aedes aegypti (Diptera:) Tj ETQq0 0 0 rgBT /Overlock 10	2.6	2
305	Photodynamic antimicrobial chemotherapy (PACT) against oral microorganisms with the use of blue LED associated to curcumin. , 2016, , .		2
306	Laser cooling techniques: standard and alternated optical molasses. Revista Brasileira De Ensino De Fisica, 2017, 39, .	0.2	2

#	Article	IF	Citations
307	Correlation between Porcine and Human Skin Models by Optical Methods. , 2018, , .		2
308	Progress toward Brazilian cesium fountain second generation. Journal of Physics: Conference Series, 2018, 975, 012071.	0.4	2
309	Could Hands be a New Treatment to Fibromyalgia? A Pilot Study. Journal of Novel Physiotherapies, 2018, 08, .	0.1	2
310	Effects of Low-Level Laser on the Repair of Orthodontically Induced Inflammatory Root Resorption: A Systematic Review of Studies in Rats. International Journal of Morphology, 2019, 37, 977-984.	0.2	2
311	Prophylactic Use of Laser Light and Methylene Blue on Ischemia and Liver Reperfusion Injury. Transplantation Proceedings, 2019, 51, 1549-1554.	0.6	2
312	Photodegradation in the infrared region of indocyanine green in aqueous solution. , 2019, , .		2
313	Acute effect of photobiomodulation using light-emitting diodes (LEDs) on baroreflex sensitivity during and after constant loading exercise in patients with type 2 diabetes mellitus. Lasers in Medical Science, 2020, 35, 329-336.	2.1	2
314	MAL-associated methyl nicotinate for topical PDT improvement. Journal of Photochemistry and Photobiology B: Biology, 2020, 213, 112071.	3.8	2
315	Evaluation of curcumin incubation time in Staphylococcus aureus and Pseudomonas aeruginosa Photodynamic Inactivation. , 2021, , .		2
316	Antimicrobial Photodynamic Therapy of the Respiratory Tract: From the Proof of Principles to Clinical Application. , 0, , .		2
317	Can sono-photodynamic therapy enhance the antibacterial effect of curcumin against Streptococcus mutans biofilm?. Laser Physics Letters, 2021, 18, 105601.	1.4	2
318	Photodynamic Reactions for the Treatment of Oral-Facial Lesions and Microbiological Control. , 2020, , 45-57.		2
319	Fluorescence spectroscopy analysis of light-induced tooth whitening. , 2019, , .		2
320	Characterization of photophysical properties of curcumin for theranostics of neurodegenerative diseases. , 2019, , .		2
321	Long-Term Surface Hardness and Monomer Conversion of a Nanofilled and a Microhybrid Composite Resin. Journal of Contemporary Dental Practice, 2013, 14, 876-882.	0.5	2
322	Photodynamic inactivation of S. pneumoniae with external illumination at 808 nm through the ex vivo porcine thoracic cage. Journal of Biophotonics, 2021, , e202100189.	2.3	2
323	A new photodynamic therapy protocol for nodular basal cell carcinoma treatment: Effectiveness and long-term follow-up. Photodiagnosis and Photodynamic Therapy, 2022, 37, 102668.	2.6	2
324	Kidney decontamination during perfusion for transplantation procedure: In vitro and ex vivo viability analysis. Journal of Biophotonics, 2022, 15, .	2.3	2

#	Article	IF	Citations
325	Photobiomodulation and photodynamic therapy applied after electrocauterization for skin healing optimization in rats. Journal of Biophotonics, 2022, , e202100239.	2.3	2
326	Impact of light-activated curcumin and curcuminoids films for catheters decontamination. Colloids and Surfaces B: Biointerfaces, 2022, 213, 112386.	5.0	2
327	Non-Thermal Fixed Points in Bose Gas Experiments. Symmetry, 2022, 14, 678.	2.2	2
328	Photodynamic therapy of adenoid hypertrophy in acute rhinosinusitis. Photodiagnosis and Photodynamic Therapy, 2022, 39, 102892.	2.6	2
329	Wound contraction rate in excised and unexcised burn wounds with laser photobiomodulation: Systematic review and meta-analysis of preclinical studies. Burns, 2023, 49, 261-274.	1.9	2
330	Evaluation by Fluorescence Spectroscopy of the Most Appropriate Renal Region for Obtaining Biopsies: A Study in the Rat. Transplantation Proceedings, 2013, 45, 1761-1765.	0.6	1
331	Photodynamic therapy improves the ultraviolet-irradiated hairless mice skin. Proceedings of SPIE, 2014, , .	0.8	1
332	Joint effort to commissioning a thermal cesium beam with optical pumping as primary frequency standard to Brazilian NMI. , 2014, , .		1
333	Photodynamic therapy of cervical intraepithelial neoplasia. Proceedings of SPIE, 2014, , .	0.8	1
334	Evaluation of the Photodynamic Therapy effect using a tumor model in Chorioallantoic Membrane with Melanoma cells. Proceedings of SPIE, 2014, , .	0.8	1
335	Fluorescence diagnosis of upper respiratory tract infections. , 2015, , .		1
336	Diffuse reflectance imaging to predict heterogeneities in turbid optical phantom. , 2015, , .		1
337	Comparative clinical study using laser and LED-therapy for orofacial pain relief: dentin hypersensitivity and cervicogenic headache. Proceedings of SPIE, 2015, , .	0.8	1
338	Effects of infrared laser on the bone repair assessed by x-ray microtomography (Î¼ct) and histomorphometry. , 2015, , .		1
339	Sclerodermiform BCC treated with multiple PDT sessions. Photodiagnosis and Photodynamic Therapy, 2016, 14, 91-92.	2.6	1
340	Photodynamic inactivation of contaminated blood withStaphylococcus aureus. , 2016, , .		1
341	Photoaging evaluation by RGB images using a smartphone for photodynamic therapy assessment. Proceedings of SPIE, 2017, , .	0.8	1
342	Stability of indocyanine green for clinical use. , 2017, , .		1

#	Article	IF	Citations
343	The influence of experimental conditions on the final result of photoinhibition of Staphylococcus aureus. Photodiagnosis and Photodynamic Therapy, 2017, 19, 229-234.	2.6	1
344	Synergistic effects of vacuum therapy and laser therapy on physical rehabilitation. Journal of Physical Therapy Science, 2019, 31, 598-602.	0.6	1
345	Photodynamic Therapy Versus Glucose for the Treatment of Telangiectasia: A Randomised Controlled Study in a Rabbit Ear Model. European Journal of Vascular and Endovascular Surgery, 2019, 58, 583-591.	1.5	1
346	Mucosal vitiligo in angles of the mouth: clinical and fluorescence aspects. Revista Da AssociaÃ§Ã£o MÃ©dica Brasileira, 2019, 65, 330-332.	0.7	1
347	High-risk HPV clearance and CIN 3 treated with MAL-PDT: A case report. Photodiagnosis and Photodynamic Therapy, 2020, 31, 101937.	2.6	1
348	Cold Atoms Beyond Atomic Physics. Brazilian Journal of Physics, 2021, 51, 170-180.	1.4	1
349	Effects of the infrared laser on classical ballerinasâ€™ feet: Analysis of plantar foot and static balance. Journal of Bodywork and Movement Therapies, 2021, 26, 246-252.	1.2	1
350	Use of wide-field optical fluorescence for visualization of oral biofilm in a patient with peri-implant mucositis: a new approach. Einstein (Sao Paulo, Brazil), 2021, 19, eRC5638.	0.7	1
351	Strategies to Improve Drug Delivery in Topical PDT. , 0, , .		1
352	PCR analysis of the effect of photodynamic therapy on breast tumors. Research, Society and Development, 2021, 10, e459101220468.	0.1	1
353	Synergistic effect of low-level laser and vacuum therapy on the temporomandibular disorder: two cases report. Laser Physics Letters, 2021, 18, 105602.	1.4	1
354	Thermographic analysis of photodynamic therapy with intense pulsed light and needle-free injection photosensitizer delivery: an animal study. , 2018, , .		1
355	Investigation of protoporphyrin IX production induced by aminolevulinic acid combined with thermogenic and/or vasodilator substances. , 2019, , .		1
356	New Substances and Equipment Developed in Brazil: Photodynamic Therapy. Clinical Approaches and Procedures in Cosmetic Dermatology, 2018, , 349-358.	0.0	1
357	In vitro evaluation of photodynamic therapy using redox-responsive nanoparticles carrying PpIX. , 2018, , .		1
358	Photodynamic inactivation using curcuminoids and Photogem on caenorhabditis elegans. , 2018, , .		1
359	Contamination Control in a Portable-Materials With Photochemical Process. International Journal of Chemistry, 2019, 11, 86.	0.3	1
360	Optical techniques for the microbiological control of blood. , 2019, , .		1

#	Article	IF	Citations
361	Photodynamic inactivation of Candida albicans using a synthesized bacteriochlorin as a photosensitizer. , 2019, , .		1
362	Study of destruction effect of blood vessels after photodynamic therapy in a model of chorioallantoic membrane. , 2019, , .		1
363	Antimicrobial photodynamic therapy combined with antibiotics reduces resistance and aids elimination in four resistant bacterial strains. , 2022, , .		1
364	Effectiveness of whitening treatments employing violet illumination alone or combined with bleaching agents. , 2022, , .		1
365	Laser and vacuum therapy for treatment of facial nerve palsies. , 2022, , .		1
366	Perspectives on photobiomodulation and combined light-based therapies for rehabilitation of patients after COVID-19 recovery. Laser Physics Letters, 2022, 19, 045604.	1.4	1
367	Photodisinfection of material surfaces and bacterial skin infections by a detergent loaded with curcumin. Photodiagnosis and Photodynamic Therapy, 2022, , 103021.	2.6	1
368	AnÃ¡logo mecÃ¢nico para condutividade elÃ©trica dos metais: efeito da temperatura. Revista Brasileira De Ensino De Fisica, 2006, 28, 35-39.	0.2	0
369	Study on the Curcumin dynamics and distribution through living biofilms. , 2013, , .		0
370	Recent progress on commissioning an optically pumped Cesium beam as primary frequency standard at Brazilian NMI. , 2014, , .		0
371	Three-dimensional cell culturing by magnetic levitation for evaluating efficacy/toxicity of photodynamic therapy. Proceedings of SPIE, 2014, , .	0.8	0
372	Utilization of the excimer laser and a moving piezoelectric mirror to accomplish the customized contact lens ablation to correct high-order aberrations. Proceedings of SPIE, 2014, , .	0.8	0
373	3D papillary image capturing by the stereo fundus camera system for clinical diagnosis on retina and optic nerve. Proceedings of SPIE, 2014, , .	0.8	0
374	The Brazilian compact frequency standard with cold atoms: Current status and future perspectives. , 2014, , .		0
375	Onychomycosis diagnosis using fluorescence and infrared imaging systems. , 2015, , .		0
376	Physics of lasers and LEDs. , 2015, , 1-10.		0
377	Evaluation of cotton-fabric bleaching using hydrogen peroxide and Blue LED. , 2015, , .		0
378	Optical fluorescence spectroscopy to detect hepatic necrosis after normothermic ischemia: animal model. , 2015, , .		0

#	Article	IF	Citations
379	A Simplified Method for Identification of the Vibrational Series of Long-Range States in Na2. Brazilian Journal of Physics, 2015, 45, 272-279.	1.4	0
380	Comparison between two portable devices for widefield PpIX fluorescence during cervical intraepithelial neoplasia treatment. Proceedings of SPIE, 2015, , .	0.8	0
381	Chapter 15 Antimicrobial Photodynamic Therapy. , 2016, , 273-284.		0
382	Photodynamic therapy of Cervical Intraepithelial Neoplasia (CIN) high grade. Proceedings of SPIE, 2016, , .	0.8	0
383	Photodynamic inactivation ofAcanthamoeba polyphagawith curcuminoids: anin vitrostudy. Proceedings of SPIE, 2016, , .	0.8	0
384	Evaluation of PpIX formation in Cervical Intraepithelial Neoplasia I (CIN) using widefield fluorescence images. , 2016, , .		0
385	Tissue slides analysis using red, green, and blue LEDs as microscope light source. , 2016, , .		0
386	Optical design of a novel instrument that uses the Hartmann-Shack sensor and Zernike polynomials to measure and simulate customized refraction correction surgery outcomes and patient satisfaction. Proceedings of SPIE, 2016, , .	0.8	0
387	Synthesis and characterization of PLGA nanoparticles containing mixture of curcuminoids for optimization of photodynamic inactivation. Proceedings of SPIE, 2016, , .	0.8	0
388	The relevance of light diffusion profiles for interstitial PDT using light-diffusing optical fibers. Proceedings of SPIE, 2017, , .	0.8	0
389	Regression of Non-Alcoholic Fatty Liver by Metabolic Reduction: Phototherapy in Association with Aerobic Plus Resistance Training In Obese Man - A Pilot Study. Journal of Obesity & Weight Loss Therapy, 2017, 08, .	0.1	0
390	Reply to the Letter to the Editor on â€œEffects of Light-Emitting Diode Therapy on Muscle Hypertrophy, Gene Expression, Performance, Damage, and Delayed-Onset Muscle Soreness. American Journal of Physical Medicine and Rehabilitation, 2018, 97, e2-e5.	1.4	0
391	Thermal Global Expansion Coefficient Measurement for a Harmonic Trapped Gas Across Bose-Einstein Condensation. Brazilian Journal of Physics, 2018, 48, 539-542.	1.4	0
392	The use of light-emitting diode imaging as exclusion criterion for melanoma diagnosis. Journal of the American Academy of Dermatology, 2019, 80, e49-e50.	1.2	0
393	A nova definiÃ§Ã£o do quilograma em termos da constante de Planck. Revista Brasileira De Ensino De Fisica, 2019, 41, .	0.2	0
394	Using ultraviolet light for reduction of Staphylococcus aureus in preservation solutions for transplantation - an in vitro study. , 2019, , .		0
395	Effects of infrared radiation and exercise on bone mass: implications for the prevention and management of osteoporosis. Research on Biomedical Engineering, 2020, 36, 49-57.	2.2	0
396	ExcitaÃ§Ã£o de um condensado de Bose-Einstein: Um Experimento PedagÃ³gico para transferÃªncia entre estados quÃ¢nticos. Revista Brasileira De Ensino De Fisica, 0, 43, .	0.2	0

#	Article	IF	Citations
397	MHV-1 in vivo viral load reduction via antibody-conjugated photodynamic inactivation. , 2021, , .		0
398	Synergistic effect of laser and therapeutic ultrasound for fibromyalgia control: new development of protocols. , 2021, , .		0
399	Follow-up of pressure ulcer treatment with photodynamic therapy, low level laser therapy and cellulose membrane. Journal of Wound Care, 2021, 30, 304-310.	1.2	0
400	Anatomically Adjustable Device for Large-Area Photodynamic Therapy. , 0, , .		0
401	An extended cavity diode laser constructed with additive manufacturing: Contribution for a brazilian compact atomic frequency standard with cold atoms. , 2021, , .		0
402	Characteristic Length Scale during the Time Evolution of a Turbulent Bose-Einstein Condensate. Symmetry, 2021, 13, 1865.	2.2	0
403	The optimization of PPIX formation at different skin layers using 5-ALA evaluated by widefield fluorescence imaging and fluorescence spectroscopy. , 2013, , .		0
404	Transmitting Atomic Frequency Standards over Optical Fiber Links in Brazil. , 2014, , .		0
405	Monitoring of Ehrlich tumor growth using thermal image. , 2016, , .		0
406	New Substances and Equipment Developed in Brazil: Photodynamic Therapy. , 2016, , 1-10.		0
407	Evaluation of the efficacy of AmPDT of oral microorganisms with Photogem associated to red LED (Î»640Î·mÂ±5Î·m): in vitro. , 2017, , .		0
408	Optical Barrier for Microbiological Control after a Sterilization Process. International Journal of Biomedicine, 2017, 7, 135-137.	0.2	0
409	Curcumin uptake enhancement using low dose light illumination during incubation inCandida albicans. Proceedings of SPIE, 2017, , .	0.8	0
410	Effectiveness of partially soluble photosensitizer in photodynamic microbiological inactivation: a curcumin example. Proceedings of SPIE, 2017, , .	0.8	0
411	Analysis of photogem (hematoporphyrin derivative) and blood interaction. , 2017, , .		0
412	Photodynamic therapy - designing optical systems for customized application. , 2018, , .		0
413	PDI using nebulized indocyanine green for pneumonia treatment. , 2018, , .		0
414	Fluorescence assessment of the delivery and distribution of nebulized indocyanine green in a murine model. , 2018, , .		0

#	Article	IF	Citations
415	Photo-kinesiotherapy: photobiomodulation associated with some kinesiotherapies for orofacial rehabilitation. , 2018, , .		0
416	Influence of different coupling agents on the light-phantom interface. , 2018, , .		0
417	Improvement of the light-tissue coupling for better outcome of phototherapies. , 2018, , .		0
418	Long-term effectiveness and HPV clearance of low and high-grade cervical lesions treated with photodynamic therapy. , 2019, , .		0
419	Biophotonic Based Orofacial Rehabilitation and Harmonization. , 2020, , 59-76.		0
420	A single session of antimicrobial photodynamic therapy does not influence the alveolar repair process in rats. Brazilian Oral Research, 2022, 36, e024.	1.4	0
421	Effect of the Curing Temperature of Dental Composites evaluated with a Fluorescent Dye. Journal of Contemporary Dental Practice, 2018, 19, 3-12.	0.5	0
422	Effects of Laser Photobiomodulation on TGF-ÃŸ and VEGF Expression in Burn Wound: Systematic Review and Meta-Analysis in the Animal Model. International Journal of Morphology, 2022, 40, 194-203.	0.2	0