Andrea Amaroli

List of Publications by Year
in descending order

89 papers	1,466 citations	304602 22 h-index	414303 32 g-index
90 all docs	90 docs citations	90 times ranked	1083 citing authors

#	Article	IF	Citations
1	A Narrative Review on Oral and Periodontal Bacteria Microbiota Photobiomodulation, through Visible and Near-Infrared Light: From the Origins to Modern Therapies. International Journal of Molecular Sciences, 2022, 23, 1372.	1.8	19
2	The Arrangement of the Peripheral Olfactory System of Pleuragramma antarcticum: A Well-Exploited Small Sensor, an Aided Water Flow, and a Prominent Effort in Primary Signal Elaboration. Animals, 2022, 12, 663.	1.0	0
3	Steering the multipotent mesenchymal cells towards an anti-inflammatory and osteogenic bias via photobiomodulation therapy: How to kill two birds with one stone. Journal of Tissue Engineering, 2022, 13, 204173142211101.	2.3	11
4	The effects of 808-nm near-infrared laser light irradiation on actin cytoskeleton reorganization in bone marrow mesenchymal stem cells. Cell and Tissue Research, 2021, 383, 1003-1016.	1.5	8
5	Efficacy of Flatâ€Top Handâ€Piece Using 980 nm Diode Laser Photobiomodulation on Socket Healing after Extraction: Splitâ€Mouth Experimental Model in Dogs. Photochemistry and Photobiology, 2021, 97, 627-633.	1.3	14
6	Effects of photobiomodulation on bone defects grafted with bone substitutes: A systematic review of in vivo animal studies. Journal of Biophotonics, 2021, 14, e202000267.	1.1	27
7	Xerostomia and hyposalivation in patients with obstructive sleep apnoea. Clinical Otolaryngology, 2021, 46, 782-787.	0.6	8
8	Flapless Surgical Approach to Extract Impacted Inferior Third Molars: A Retrospective Clinical Study. Journal of Clinical Medicine, 2021, 10, 593.	1.0	4
9	Experimental and Clinical Applications of Red and Near-Infrared Photobiomodulation on Endothelial Dysfunction: A Review. Biomedicines, 2021, 9, 274.	1.4	30
10	Snoring and Sleep-Related Symptoms: A Novel Non-Invasive 808 nm Wavelength Diode Laser Non-Ablative Outpatient Treatment. A Prospective Pilot-Study on 45 Patients. Photonics, 2021, 8, 69.	0.9	1
11	Photobiomodulation and Oxidative Stress: 980â€‰nm Diode Laser Light Regulates Mitochondrial Activity and Reactive Oxygen Species Production. Oxidative Medicine and Cellular Longevity, 2021, 2021, 1-11.	1.9	46
12	3D optical profilometer analysis of the marginal gap of Class II restorations made with different materials for vital pulp therapy procedures. Dental Materials Journal, 2021, 40, 407-415.	0.8	1
13	Mitochondrial Bioenergetic, Photobiomodulation and Trigeminal Branches Nerve Damage, Whatâ€™s the Connection? A Review. International Journal of Molecular Sciences, 2021, 22, 4347.	1.8	26
14	Electromagnetic Dosimetry for Isolated Mitochondria Exposed to Nearâ€Infrared Continuousâ€Wave Illumination in Photobiomodulation Experiments. Bioelectromagnetics, 2021, 42, 384-397.	0.9	7
15	Osteoconductivity of Bovine Xenograft Granules of Different Sizes in Sinus Lift: A Histomorphometric Study in Rabbits. Dentistry Journal, 2021, 9, 61.	0.9	9
16	808-Nm Near-Infrared Laser Photobiomodulation versus Switched-Off Laser Placebo in Major Aphthae Management: A Randomized Double-Blind Controlled Trial. Applied Sciences (Switzerland), 2021, 11, 4717.	1.3	10
17	Improving Consistency of Photobiomodulation Therapy: A Novel Flat-Top Beam Hand-Piece versus Standard Gaussian Probes on Mitochondrial Activity. International Journal of Molecular Sciences, 2021, 22, 7788.	1.8	20
18	Photobiomodulation by Near-Infrared 980-nm Wavelengths Regulates Pre-Osteoblast Proliferation and Viability through the PI3K/Akt/Bcl-2 Pathway. International Journal of Molecular Sciences, 2021, 22, 7586.	1.8	18

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19	Recovery from Idiopathic Facial Paralysis (Bellâ€™s Palsy) Using Photobiomodulation in Patients Non-Responsive to Standard Treatment: A Case Series Study. Photonics, 2021, 8, 341.	0.9	14
20	Free Gingivalâ€“Bone Graft in the Anterior Maxilla: A Clinical Case Report. Journal of Contemporary Dental Practice, 2021, 22, 568-571.	0.2	1
21	Marginal quality of a full-body bulk-fill composite placed with an universal adhesive system in etch-and-rinse and self-etch mode: An in vitro stud. Journal of Clinical and Experimental Dentistry, 2021, 13, e835-e844.	0.5	3
22	pH Evaluation over a Period of 6 months of Two-bottle Water-based Self-etching Primers: An In Vitro Study. Journal of Contemporary Dental Practice, 2021, 22, 856-859.	0.2	0
23	Immediate Implants in the Aesthetic Zone: Is Socket Shield Technique a Predictable Treatment Option? A Narrative Review. Journal of Clinical Medicine, 2021, 10, 4963.	1.0	3
24	808-nm Photobiomodulation Affects the Viability of a Head and Neck Squamous Carcinoma Cellular Model, Acting on Energy Metabolism and Oxidative Stress Production. Biomedicines, 2021, 9, 1717.	1.4	16
25	Apical Leakage Evaluation of Two Different Coated Carrier Systems for Root Canal Obturation Using a Dye Penetration Evaluation Method. Journal of Contemporary Dental Practice, 2021, 22, 979-984.	0.2	1
26	Apical Leakage Evaluation of Two Different Coated Carrier Systems for Root Canal Obturation Using a Dye Penetration Evaluation Method.. Journal of Contemporary Dental Practice, 2021, 22, 979-984.	0.2	0
27	Newly formulated 5% 5-aminolevulinic acid photodynamic therapy on Candida albicans. Photodiagnosis and Photodynamic Therapy, 2020, 29, 101575.	1.3	19
28	GuttaCore Pink, Thermafil and Warm Vertically compacted gutta-percha retreatment: Time required and quantitative evaluation by using ProTaper files. Dental Materials Journal, 2020, 39, 229-235.	0.8	7
29	Evaluation of the outcome of various laser therapy applications in root canal disinfection: A systematic review. Photodiagnosis and Photodynamic Therapy, 2020, 29, 101611.	1.3	50
30	Interaction between Laser Light and Osteoblasts: Photobiomodulation as a Trend in the Management of Socket Bone Preservationâ€”A Review. Biology, 2020, 9, 409.	1.3	30
31	Photobiomodulation Therapy in Oral Mucositis and Potentially Malignant Oral Lesions: A Therapy Towards the Future. Cancers, 2020, 12, 1949.	1.7	32
32	Ten-Year Results of a Prospective Cohort Study on Acid-Etched and Airborne Particleâ€“Abraded Implant Surfaces: A Comparative Study. International Journal of Periodontics and Restorative Dentistry, 2020, 40, e189-e196.	0.4	2
33	Dose-Dependent Clinical, Radiographic, and Histopathologic Changes of 17Î²-Estradiol Levels Within the Temporomandibular Joint: An Experimental Study in Ovariectomized Dogs. Journal of Oral and Maxillofacial Surgery, 2020, 78, 1304-1313.	0.5	4
34	Loss of p62 impairs bone turnover and inhibits PTHâ€induced osteogenesis. Journal of Cellular Physiology, 2020, 235, 7516-7529.	2.0	14
35	Simultaneous photoablative and photodynamic 810-nm diode laser therapy as an adjunct to non-surgical periodontal treatment: an in-vitro study. Minerva Stomatologica: A Journal on Dentirstry and Maxillofacial Surgery, 2020, 69, 1-7.	1.3	8
36	Quantification of neurons in the olfactory bulb of the catsharks Scyliorhinus canicula (Linnaeus,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 6	0.6	4

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37	Effects of nasal parasite species in the small-spotted catshark Scyliorhinus canicula (Scyliorhinidae;) Tj ETQq1 1 0.784314 rgBT /Overl	0.4	0
38	Photobiomodulation with 808-nm diode laser light promotes wound healing of human endothelial cells through increased reactive oxygen species production stimulating mitochondrial oxidative phosphorylation. Lasers in Medical Science, 2019, 34, 495-504.	1.0	77
39	Secondary Folds Contribute Significantly to the Total Surface Area in the Olfactory Organ of Chondrichthyes. Frontiers in Physiology, 2019, 10, 245.	1.3	37
40	The 808â€¯nm and 980â€¯nm infrared laser irradiation affects spore germination and stored calcium homeostasis: A comparative study using delivery hand-pieces with standard (Gaussian) or flat-top profile. Journal of Photochemistry and Photobiology B: Biology, 2019, 199, 111627.	1.7	14
41	1064 nm Nd:YAG laser light affects transmembrane mitochondria respiratory chain complexes. Journal of Biophotonics, 2019, 12, e201900101.	1.1	29
42	A Comparative Study Between the Effectiveness of 980 nm Photobiomodulation Delivered by Hand-Piece With Gaussian vs. Flat-Top Profiles on Osteoblasts Maturation. Frontiers in Endocrinology, 2019, 10, 92.	1.5	42
43	Utilization of Carbon Dioxide Laser Therapy in the Management of Denture-Induced Hyperplasia and Vestibuloplasty in a Medically Compromised Patient: A Case Report. International Journal of Prosthodontics, 2019, 32, 211-213.	0.7	6
44	Olfaction in the Antarctic toothfish Dissostichus mawsoni: clues from the morphology and histology of the olfactory rosette and bulb. Polar Biology, 2019, 42, 1081-1091.	0.5	8
45	P62 deficiency shifts mesenchymal/stromal stem cell commitment toward adipogenesis and disrupts bone marrow homeostasis in aged mice. Journal of Cellular Physiology, 2019, 234, 16338-16347.	2.0	13
46	Photobiomodulation Affects Key Cellular Pathways of all Lifeâ€Forms: Considerations on Old and New Laser Light Targets and the Calcium Issue. Photochemistry and Photobiology, 2019, 95, 455-459.	1.3	56
47	Accuracy of guided implant surgery: an experimental set-up. Minerva Stomatologica: A Journal on Dentirstry and Maxillofacial Surgery, 2019, 68, 61-66.	1.3	2
48	First identification of a fatal fungal infection of the marine sponge Chondrosia reniformis by Aspergillus tubingensis. Diseases of Aquatic Organisms, 2019, 135, 227-239.	0.5	5
49	Vacchi's palatal organ: a widespread trait in Holocephali. Journal of Fish Biology, 2018, 92, 1177-1182.	0.7	2
50	Outpatient erbium:YAG (2940Ânm) laser treatment for snoring: a prospective study on 40 patients. Lasers in Medical Science, 2018, 33, 399-406.	1.0	13
51	The photobiomodulation effect of higher-fluence 808-nm laser therapy with a flat-top handpiece on the wound healing of the earthworm Dendrobaena veneta: a brief report. Lasers in Medical Science, 2018, 33, 221-225.	1.0	11
52	Permethrin drastically affects the developmental cycle of the non-target slime mould Dictyostelium discoideum. Chemosphere, 2018, 193, 1-7.	4.2	8
53	Effectiveness of dual-wavelength (Diodes 980â€‰Nm and 635â€‰Nm) laser approach as a non-surgical modality in the management of periodontally diseased root surface: a pilot study. Biotechnology and Biotechnological Equipment, 2018, 32, 1575-1582.	0.5	11
54	Molecular Adjuvants Based on Plasmids Encoding Protein Aggregation Domains Affect Bone Marrow Niche Homeostasis. Current Gene Therapy, 2018, 17, 391-397.	0.9	1

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55	Effects of altered gravity induced by clinorotation on the cholinesterase activity of the non-sentient model Paramecium primaurelia (Protozoa). Journal of Biological Research (Italy), 2018, 91, .	0.0	0
56	Nearâ€infrared laser photons induce glutamate release from cerebrocortical nerve terminals. Journal of Biophotonics, 2018, 11, e201800102.	1.1	19
57	The earthworm Dendrobaena veneta (Annelida): A new experimental-organism for photobiomodulation and wound healing. European Journal of Histochemistry, 2018, 62, 2867.	0.6	15
58	The Effects of Photobiomodulation of 808 nm Diode Laser Therapy at Higher Fluence on the in Vitro Osteogenic Differentiation of Bone Marrow Stromal Cells. Frontiers in Physiology, 2018, 9, 123.	1.3	46
59	The Effect of Photobiomodulation on the Sea UrchinParacentrotus lividus(Echinodermata) Using Higher-Fluence on Fertilization, Embryogenesis, and Larval Development: AnIn VitroStudy. Photomedicine and Laser Surgery, 2017, 35, 127-135.	2.1	9
60	Anatomy of the olfactory bulb in Greenland shark Somniosus microcephalus (Bloch & Schneider,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 5	0.3	27
61	Gross anatomy and histology of the olfactory rosette of the shark Heptranchias perlo. Zoology, 2017, 122, 27-37.	0.6	13
62	Clarification of the Terminology of the Olfactory Lamellae in Chondrichthyes. Anatomical Record, 2017, 300, 2039-2045.	0.8	33
63	Short-pulse neodymium:yttriumâ€“aluminium garnet (Nd:YAG 1064 nm) laser irradiation photobiomodulates mitochondria activity and cellular multiplication of Paramecium primaurelia (Protozoa). European Journal of Protistology, 2017, 61, 294-304.	0.5	8
64	Effects of urea on the olfactory reception in zebrafish (Danio rerio). Journal of Biological Research (Italy), 2016, 89, .	0.0	1
65	808-nm laser therapy with a flat-top handpiece photobiomodulates mitochondria activities of Paramecium primaurelia (Protozoa). Lasers in Medical Science, 2016, 31, 741-747.	1.0	36
66	Photobiomodulation by Infrared Diode Laser: Effects on Intracellular Calcium Concentration and Nitric Oxide Production of Paramecium. Photochemistry and Photobiology, 2016, 92, 854-862.	1.3	33
67	An 808-nm Diode Laser with a Flat-Top Handpiece Positively Photobiomodulates Mitochondria Activities. Photomedicine and Laser Surgery, 2016, 34, 564-571.	2.1	57
68	Effect of 808Ânm Diode Laser on Swimming Behavior, Food Vacuole Formation and Endogenous <scp>ATP</scp> Production of Paramecium primaurelia (Protozoa). Photochemistry and Photobiology, 2015, 91, 1150-1155.	1.3	22
69	The Protozoan, Paramecium primaurelia, as a Non-sentient Model to Test Laser Light Irradiation: The Effects of an 808nm Infrared Laser Diode on Cellular Respiration. ATLA Alternatives To Laboratory Animals, 2015, 43, 155-162.	0.7	20
70	Paramecium:A Promising Non-Animal Bioassay to Study the Effect of 808â€‰nm Infrared Diode Laser Photobiomodulation. Photomedicine and Laser Surgery, 2015, 33, 35-40.	2.1	25
71	The Effects of Temperature Variation on the Sensitivity to Pesticides: a Study on the Slime Mould Dictyostelium discoideum (Protozoa). Microbial Ecology, 2015, 70, 244-254.	1.4	10
72	Effects of an extremely low-frequency electromagnetic field on stress factors: A study in Dictyostelium discoideum cells. European Journal of Protistology, 2013, 49, 400-405.	0.5	19

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73	Identification of aquaporins in eggs and early embryogenesis of the sea urchin Paracentrotus lividus. Acta Histochemica, 2013, 115, 257-263.	0.9	7
74	Effects of the neurotoxic thionophosphate pesticide chlorpyrifos on differentiating alternative models. Chemosphere, 2013, 90, 2115-2122.	4.2	15
75	Fasting and re-feeding impact on leptin and aquaglyceroporin 9 in the liver of European sea bass (Dicentrarchus labrax). Aquaculture, 2012, 354-355, 1-6.	1.7	23
76	Neuronal nitric oxide synthase (nNOS) immunoreactivity in the olfactory system of a cartilaginous fish. Journal of Chemical Neuroanatomy, 2012, 43, 133-140.	1.0	12
77	Detection and characterisation of NAD(P)H-diaphorase activity in Dictyostelium discoideum cells (Protozoa). European Journal of Histochemistry, 2012, 56, 47.	0.6	7
78	Gâ€protein alpha subunits distribution in the cyprid of Balanus amphitrite (=Amphibalanus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	1.2	4
79	Immunolocalization of G protein alpha subunits in the olfactory system of Polypterus senegalus (Cladistia, Actinopterygii). Neuroscience Letters, 2011, 499, 127-131.	1.0	15
80	The Effects of Pesticides on Dictyostelium Cholinesterase, from Basic to Applied Research. , 2011, , .		2
81	Nitric oxide production inhibited by xenobiotic compounds in the protozoan Paramecium primaurelia. Ecological Indicators, 2010, 10, 212-216.	2.6	14
82	Effects of xenobiotic compounds on the cell activities of Euplotes crassus, a single-cell eukaryotic test organism for the study of the pollution of marine sediments. Aquatic Toxicology, 2007, 83, 272-283.	1.9	50
83	Effects of organophosphate compounds on a soil protist, Colpoda inflata (Ciliophora, Colpodidae). Chemosphere, 2006, 65, 1731-1737.	4.2	10
84	Detection of NADPH-diaphorase activity in Paramecium primaurelia. European Journal of Protistology, 2006, 42, 201-208.	0.5	10
85	Effects of a 50 Hz magnetic field onDictyostelium discoideum (Protista). Bioelectromagnetics, 2006, 27, 528-534.	0.9	19
86	(02) Effects of time-variant extremely low-frequency (ELF) electromagnetic fields (EMF) on cholinesterase activity in Dictyostelium discoideum (Protista). Chemico-Biological Interactions, 2005, 157-158, 355-356.	1.7	12
87	Acetylcholinesterase activity is affected by stress conditions in Paracentrotus lividus coelomocytes. Marine Biology, 2003, 143, 623-628.	0.7	23
88	Detection of cholinesterase activities and acetylcholine receptors during the developmental cycle of Dictyostelium discoideum. European Journal of Protistology, 2003, 39, 213-222.	0.5	17
89	Cholinesterase activity and effects of its inhibition by neurotoxic drugs in Dictyostelium discoideum. Chemosphere, 2002, 48, 407-414.	4.2	30