Primary and secondary mechanisms of action of visible

Journal of Photochemistry and Photobiology B: Biology 49, 1-17

DOI: 10.1016/s1011-1344(98)00219-x

Citation Report

| #  | Article  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | <title>UVA and visible light-induced reactive oxygen species (ROS) formation in cell cultures: an electron paramagnetic resonance (EPR) study</title> ., 2000, , .   |     | 0         |
| 2  | Magnetic resonance imaging (MRI) controlled outcome of side effects caused by ionizing radiation, treated with 780 nm-diode laser — preliminary results. Journal of Photochemistry and Photobiology B: Biology, 2000, 59, 1-8. | 1.7 | 14        |
| 3  | Biostimulative effects of low-energy lasers and their implications for medicine. Drug Development Research, 2000, 50, 471-475.   | 1.4 | 36        |
| 4  | Effect of middle-wave ultraviolet irradiation and red light on degranulation of peritoneal mast cell in rats. Bulletin of Experimental Biology and Medicine, 2000, 129, 357-358.   | 0.3 | 6         |
| 5  | Recovery from sarafotoxin-b induced cardiopathological effects in mice following low energy laser irradiation. Basic Research in Cardiology, 2000, 95, 385-388.  | 2.5 | 12        |
| 6  | PHOTOBIOSTIMULATION AS A FUNCTION OF DIFFERENT WAVELENGTHS. Laser Therapy, 2000, 12, 38-41.  | 0.8 | 26        |
| 7  | LASER PHOTONS AND PHARMACOLOGICAL TREATMENTS IN WOUND HEALING. Laser Therapy, 2000, 12, 3-11.  | 0.8 | 9         |
| 8  | The Blood Fibrinolysis/Deep-Sea Analogy. Thrombosis Research, 2000, 99, 1-20.  | 0.8 | 14        |
| 9  | Donors of NO and pulsed radiation at $\hat{l}$ »=820 nm exert effects on cell attachment to extracellular matrices. Toxicology Letters, 2001, 121, 57-61.  | 0.4 | 28        |
| 10 | Irradiation with a diode at 820 nm induces changes in circular dichroism spectra (250-780 nm) of living cells. IEEE Journal of Selected Topics in Quantum Electronics, 2001, 7, 976-981.                                       | 1.9 | 9         |
| 11 | Changes in absorbance of monolayer of living cells induced by laser radiation at 633, 670, and 820 nm. IEEE Journal of Selected Topics in Quantum Electronics, 2001, 7, 982-988.   | 1.9 | 54        |
| 12 | Long-term effect of low energy laser irradiation on infarction and reperfusion injury in the rat heart.<br>Journal of Applied Physiology, 2001, 90, 2411-2419.   | 1.2 | 61        |
| 13 | Light-emitting diode treatment reverses the effect of TTX on cytochrome oxidase in neurons. NeuroReport, 2001, 12, 3033-3037.  | 0.6 | 148       |
| 14 | He-Ne laser irradiation protects B-lymphoblasts from UVA-induced DNA damage. Radiation and Environmental Biophysics, 2001, 40, 77-82.  | 0.6 | 31        |
| 15 | Cell attachment modulation by radiation from a pulsed light diode (? = 820 nm) and various chemicals. Lasers in Surgery and Medicine, 2001, 28, 227-236.   | 1.1 | 42        |
| 16 | Cell attachment to extracellular matrices is modulated by pulsed radiation at 820 nm and chemicals that modify the activity of enzymes in the plasma membrane. Lasers in Surgery and Medicine, 2001, 29, 274-281.              | 1.1 | 47        |
| 17 | Skeletal muscle cell activation by low-energy laser irradiation: A role for the MAPK/ERK pathway. Journal of Cellular Physiology, 2001, 187, 73-80.  | 2.0 | 169       |
| 18 | Changes in the circular dichroism spectra of a suspension of live cells exposed to low-intensity laser radiation (lambda = 820 nm). Doklady Biochemistry and Biophysics, 2001, 377, 128-131.                                   | 0.3 | 4         |

| #  | Article  | IF  | CITATIONS |
|----|--|-----|-----------|
| 19 | Unusual contacts between boundary membranes in mitochondria of the yeast Torulopsis sphaerica cells whose precursors were exposed to He-Ne laser radiation. Doklady Biochemistry and Biophysics, 2001, 377, 79-81.             | 0.3 | 0         |
| 20 | Promotion of Angiogenesis by Low Energy Laser Irradiation. Antioxidants and Redox Signaling, 2002, 4, 785-790.   | 2.5 | 61        |
| 21 | Cellular mechanisms of low power laser therapy. , 2002, , .  |     | 1         |
| 22 | Photothermal images of live cells in presence of drug. Journal of Biomedical Optics, 2002, 7, 425.   | 1.4 | 33        |
| 23 | Effect of Red Laser Light on Na+,K+-ATPase Activity in Human Erythrocyte Membranes Sensitized with Zn-Phthalocyanine. Photomedicine and Laser Surgery, 2002, 20, 71-75.  | 1.1 | 8         |
| 24 | Human fibroblast alterations induced by low power laser irradiation at the single cell level using confocal microscopy. Photochemical and Photobiological Sciences, 2002, 1, 547-552.  | 1.6 | 150       |
| 25 | Effects of near-infra-red laser irradiation on adenosine triphosphate and adenosine diphosphate contents of rat brain tissue. Neuroscience Letters, 2002, 323, 207-210.  | 1.0 | 161       |
| 26 | Improved energetic recovery of skeletal muscle in response to ischemia and reperfusion injury followed by in vivo31P-magnetic resonance spectroscopy. Microsurgery, 2002, 22, 158-164.   | 0.6 | 5         |
| 27 | Hydration effects under near-infrared radiation. Colloids and Surfaces B: Biointerfaces, 2002, 26, 223-233.  | 2.5 | 10        |
| 28 | Effect of helium/neon laser irradiation on nerve growth factor synthesis and secretion in skeletal muscle cultures. Journal of Photochemistry and Photobiology B: Biology, 2002, 66, 195-200.                                  | 1.7 | 51        |
| 29 | Morphometry of the corneal endothelium in glassblowers compared to non-glassblowers. Journal of Photochemistry and Photobiology B: Biology, 2002, 67, 130-138.   | 1.7 | 2         |
| 30 | Title is missing!. Microbiology, 2002, 71, 383-385.  | 0.5 | 3         |
| 31 | Effect of low-power GaAlAs laser (660 nm) on bone structure and cell activity: an experimental animal study. Lasers in Medical Science, 2003, 18, 89-94.   | 1.0 | 124       |
| 32 | Low-energy laser irradiation enhances de novo protein synthesis via its effects on translation-regulatory proteins in skeletal muscle myoblasts. Biochimica Et Biophysica Acta - Molecular Cell Research, 2003, 1593, 131-139. | 1.9 | 80        |
| 33 | Effects of linearly polarized 0.6-1.6 ?M irradiation on stellate ganglion function in normal subjects and people with complex regional pain (CRPS I). Lasers in Surgery and Medicine, 2003, 32, 417-423.                       | 1.1 | 19        |
| 34 | H-NMR spin-lattice and correlation times of burned soft-tissue after treatment with an infrared pulsed laser device. Lasers in Surgery and Medicine, 2003, 33, 190-198.  | 1.1 | 15        |
| 35 | Cutaneous effects of infrared radiation: from clinical observations to molecular response mechanisms. Photodermatology Photoimmunology and Photomedicine, 2003, 19, 228-234.   | 0.7 | 218       |
| 36 | Melatonin modulates the action of near infrared radiation on cell adhesion. Journal of Pineal Research, 2003, 34, 167-172.   | 3.4 | 15        |

3

| #  | Article  | IF  | Citations |
|----|--|-----|-----------|
| 37 | Low Energy Visible Light Induces Reactive Oxygen Species Generation and Stimulates an Increase of Intracellular Calcium Concentration in Cardiac Cells. Journal of Biological Chemistry, 2003, 278, 40917-40922. | 1.6 | 155       |
| 38 | Preservation of rat skeletal muscle energy metabolism by illumination. Life Sciences, 2003, 72, 2649-2658.   | 2.0 | 5         |
| 39 | Physical grounds for biological effect of laser radiation. Journal Physics D: Applied Physics, 2003, 36, 2317-2330.  | 1.3 | 40        |
| 40 | A Preliminary Investigation into Light-Modulated Replication of Nanobacteria and Heart Disease.<br>Photomedicine and Laser Surgery, 2003, 21, 231-235.   | 1.1 | 21        |
| 41 | Low-Intensity Near-Infrared Laser Radiation-Induced Changes of Acetylcholinesterase Activity of Human Erythrocytes. Photomedicine and Laser Surgery, 2003, 21, 351-355.  | 1.1 | 29        |
| 42 | Therapeutic photobiomodulation for methanol-induced retinal toxicity. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 3439-3444.                                     | 3.3 | 347       |
| 43 | Laser Light Prevents Apoptosis on Cho K-1 Cell Line. Photomedicine and Laser Surgery, 2003, 21, 193-196.   | 1.1 | 60        |
| 44 | Effects of Low-Level Laser Therapy (LLLT) of 810 nm uponin VitroGrowth of Bacteria: Relevance of Irradiance and Radiant Exposure. Photomedicine and Laser Surgery, 2003, 21, 283-290.                            | 1.1 | 62        |
| 45 | HOW THE ABSORPTION OF MONOCHROMATIC VISIBLE-TO-NEAR IR RADIATION BY CELLS LEADS TO THEIR BIOLOGICAL RESPONSES?. , 2003, , .  |     | 0         |
| 46 | Cellular mechanisms of low-power laser therapy. , 2003, 5149, 60.  |     | 11        |
| 47 | Variation of intensity on the healing of cutaneous wounds. , 2003, 4950, 150.  |     | 0         |
| 48 | Cell Survival, DNA, and Protein Damage in B14 Cells under Low-Intensity Near-Infrared (810 nm) Laser Irradiation. Photomedicine and Laser Surgery, 2004, 22, 504-508.  | 2.1 | 40        |
| 49 | Infrared Radiation Affects the Mitochondrial Pathway of Apoptosis in Human Fibroblasts. Journal of Investigative Dermatology, 2004, 123, 823-831.  | 0.3 | 94        |
| 50 | Light-mediated "conversation―among microorganisms. Microbiological Research, 2004, 159, 1-10.  | 2.5 | 28        |
| 51 | Mitochondrial dysfunction as a cause of optic neuropathies. Progress in Retinal and Eye Research, 2004, 23, 53-89.   | 7.3 | 714       |
| 52 | Mitochondrial membrane potential after low-power laser irradiation. Lasers in Medical Science, 2004, 18, 204-206.  | 1.0 | 41        |
| 53 | Laser acupuncture: past, present, and future. Lasers in Medical Science, 2004, 19, 69-80.  | 1.0 | 187       |
| 54 | Evaluation of the use of low level laser and photosensitizer drugs in healing. Lasers in Surgery and Medicine, 2004, 34, 451-457.  | 1.1 | 57        |

| #  | Article  | IF   | Citations |
|----|--|------|-----------|
| 55 | Neurotransmitter release changes induced by low power 830 nm diode laser irradiation on the neuromuscular junctions of the mouse. Lasers in Surgery and Medicine, 2004, 35, 236-241.   | 1.1  | 40        |
| 56 | Low level laser irradiation stimulates mitochondrial membrane potential and disperses subnuclear promyelocytic leukemia protein. Lasers in Surgery and Medicine, 2004, 35, 369-376.  | 1.1  | 89        |
| 57 | Photobiological modulation of cell attachment via cytochrome c oxidase. Photochemical and Photobiological Sciences, 2004, 3, 211.  | 1.6  | 136       |
| 58 | Effects of Low-Intensity Polarized Visible Laser Radiation on Skin Burns: A Light Microscopy Study. Photomedicine and Laser Surgery, 2004, 22, 59-66.  | 1.1  | 87        |
| 59 | A Preliminary Report on the Effect of Laser Therapy on the Healing of Cutaneous Surgical Wounds as a Consequence of an Inversely Proportional Relationship between Wavelength and Intensity: Histological Study in Rats. Photomedicine and Laser Surgery, 2004, 22, 513-518. | 2.1  | 82        |
| 60 | Photobiological Basis and Clinical Role of Low-Intensity Lasers in Biology and Medicine.<br>Photomedicine and Laser Surgery, 2004, 22, 141-150.  | 1.1  | 161       |
| 61 | ESR Detection of 1 O2 Reveals Enhanced Redox Activity in Illuminated Cell Cultures. Free Radical Research, 2004, 38, 893-902.  | 1.5  | 42        |
| 62 | Photothermal detection of nicotine-induced apoptotic effects in pancreatic cancer cells. Life Sciences, 2004, 75, 2677-2687.   | 2.0  | 19        |
| 63 | Cell Growth Modulation of Human Cells Irradiated in Vitro with Low-Level Laser Therapy. Photomedicine and Laser Surgery, 2004, 22, 523-526.  | 2.1  | 38        |
| 64 | <title>Photochemical mechanisms of biological action of low-intensity laser irradiation</title> ., 2004, , .   |      | 0         |
| 65 | <title>Influence of low-level laser irradiation to phagocytosis activity and proinflammation cytokins production</title> ., 2004, , .  |      | 0         |
| 66 | <title>A possible mechanism for visible-light-induced skin rejuvenation</title> ., 2004, , .   |      | 4         |
| 67 | Low power laser radiation at 685nm stimulates stem-cell proliferation rate in Dugesia tigrina during regeneration. Journal of Photochemistry and Photobiology B: Biology, 2005, 80, 203-207.   | 1.7  | 31        |
| 68 | Absorption measurements of a cell monolayer relevant to phototherapy: Reduction of cytochrome c oxidase under near IR radiation. Journal of Photochemistry and Photobiology B: Biology, 2005, 81, 98-106.  | 1.7  | 211       |
| 69 | Bioinorganic Photochemistry:  Frontiers and Mechanisms. Chemical Reviews, 2005, 105, 2647-2694.  | 23.0 | 671       |
| 70 | Nonresonance mechanisms of biological effects of coherent and incoherent light. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2005, 98, 943-948.   | 0.2  | 13        |
| 71 | Light promotes regeneration and functional recovery and alters the immune response after spinal cord injury. Lasers in Surgery and Medicine, 2005, 36, 171-185.  | 1.1  | 294       |
| 72 | Cellular effects of low power laser therapy can be mediated by nitric oxide. Lasers in Surgery and Medicine, 2005, 36, 307-314.  | 1.1  | 268       |

| #  | Article  | IF  | Citations |
|----|--|-----|-----------|
| 73 | A study of the effects of phototherapy dose interval on photobiomodulation of cell cultures. Lasers in Surgery and Medicine, 2005, 36, 409-413.  | 1.1 | 52        |
| 74 | Low power laser irradiation alters gene expression of olfactory ensheathing cells in vitro. Lasers in Surgery and Medicine, 2005, 37, 161-171.   | 1.1 | 73        |
| 75 | Structure of Mitochondria and Activity of Their Respiratory Chain in Successive Generations of Yeast Cells Exposed to He-Ne Laser Light. Biology Bulletin, 2005, 32, 556-566.  | 0.1 | 26        |
| 76 | Nanocluster model of photothermal assay: application for high-sensitive monitoring of nicotine-induced changes in metabolism, apoptosis, and necrosis at a cellular level. Journal of Biomedical Optics, 2005, 10, 044011. | 1.4 | 23        |
| 77 | A Quantitative Analysis of Modulation of the Fast Excitatory Postsynaptic Potential of Neurons in Rat Sympathetic Ganglia by a Low-Intensity Laser. Chinese Physics Letters, 2005, 22, 2433-2436.                          | 1.3 | 0         |
| 78 | Photobiomodulation Directly Benefits Primary Neurons Functionally Inactivated by Toxins. Journal of Biological Chemistry, 2005, 280, 4761-4771.  | 1.6 | 498       |
| 79 | Photo-Infrared Pulsed Bio-Modulation (PIPBM): A Novel Mechanism for the Enhancement of Physiologically Reparative Responses. Photomedicine and Laser Surgery, 2005, 23, 416-424.   | 2.1 | 27        |
| 80 | The Effect of Laser Therapy on the Proliferation of Oral KB Carcinoma Cells: Anin VitroStudy. Photomedicine and Laser Surgery, 2005, 23, 586-589.  | 2.1 | 53        |
| 81 | Exact Action Spectra for Cellular Responses Relevant to Phototherapy. Photomedicine and Laser Surgery, 2005, 23, 355-361.  | 2.1 | 476       |
| 82 | Laser Light Is Capable of Inducing Proliferation of Carcinoma Cells in Culture: A Spectroscopicin VitroStudy. Photomedicine and Laser Surgery, 2005, 23, 300-303.  | 2.1 | 47        |
| 83 | Effects of 670-nm Phototherapy on Development. Photomedicine and Laser Surgery, 2005, 23, 268-272.   | 2.1 | 35        |
| 84 | Protection of Skeletal Muscles from Ischemic Injury: Low-Level Laser Therapy Increases Antioxidant Activity. Photomedicine and Laser Surgery, 2005, 23, 273-277.   | 2.1 | 103       |
| 85 | An open study to determine the efficacy of blue light in the treatment of mild to moderate acne. Journal of Dermatological Treatment, 2005, 16, 219-223.   | 1.1 | 92        |
| 86 | Investigation of the Mechanisms of Electromagnetic Field Interaction with Proteins. , 2005, 2005, 7541-4.  |     | 1         |
| 87 | Influence of Visible Light and Ultraviolet Irradiation on Motility and Fertility of Mammalian and Fish Sperm. Photomedicine and Laser Surgery, 2005, 23, 549-555.  | 2.1 | 64        |
| 89 | Brief Report: Embryonic Growth and Hatching Implications of Developmental 670-nm Phototherapy and Dioxin Co-exposure. Photomedicine and Laser Surgery, 2006, 24, 410-413.  | 2.1 | 6         |
| 90 | Clinical Study of the Gingiva Healing after Gingivectomy and Low-Level Laser Therapy. Photomedicine and Laser Surgery, 2006, 24, 588-594.  | 2.1 | 131       |
| 91 | Generation of ROS in cells on exposure to CW and pulsed near-infrared laser tweezers. Photochemical and Photobiological Sciences, 2006, 5, 134-139.  | 1.6 | 30        |

| #   | Article  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 92  | Clinical and Experimental Applications of NIR-LED Photobiomodulation. Photomedicine and Laser Surgery, 2006, 24, 121-128.  | 2.1 | 319       |
| 93  | Influence of Near-Infrared Radiation on the pKa Values of L-Phenylalanine. Applied Spectroscopy, 2006, 60, 648-652.  | 1.2 | 18        |
| 94  | Photobiomodulation partially rescues visual cortical neurons from cyanide-induced apoptosis. Neuroscience, 2006, 139, 639-649.   | 1.1 | 115       |
| 95  | Adaptação enzimática da LDH em ratos submetidos a treinamento aeróbio em esteira e laser de baixa intensidade. Brazilian Journal of Physical Therapy, 2006, 10, 205.   | 1.1 | 9         |
| 96  | <title>Cytokine production of the neutrophils and macrophages in time of phagocytosis under influence of infrared low-level laser irradiation</title> ., 2006,,.   |     | 2         |
| 97  | Low-Energy Helium-Neon Laser Induces Locomotion of the Immature Melanoblasts and Promotes<br>Melanogenesis of the More Differentiated Melanoblasts: Recapitulation of Vitiligo Repigmentation In<br>Vitro. Journal of Investigative Dermatology, 2006, 126, 2119-2126. | 0.3 | 56        |
| 98  | Mechanisms of low level light therapy. , 2006, 6140, 614001.   |     | 223       |
| 99  | Effect of intravenous laser irradiation on the molecular structure of blood and blood components. Journal of Applied Spectroscopy, 2006, 73, 115-122.  | 0.3 | 9         |
| 100 | Role of coherence in interaction of optical radiation with macromolecules. Journal of Applied Spectroscopy, 2006, 73, 251-258.   | 0.3 | 0         |
| 101 | Single cell analysis of PKC activation during proliferation and apoptosis induced by laser irradiation. Journal of Cellular Physiology, 2006, 206, 441-448.  | 2.0 | 90        |
| 102 | Modulations of VEGF and iNOS in the rat heart by low level laser therapy are associated with cardioprotection and enhanced angiogenesis. Lasers in Surgery and Medicine, 2006, 38, 682-688.  | 1.1 | 133       |
| 103 | Regenerative Medicine of Skin, Hair, Dental Tissues, and Cornea., 2006,, 63-88.  |     | O         |
| 104 | Survivorship and Mortality Implications of Developmental 670-nm Phototherapy: Dioxin Co-exposure. Photomedicine and Laser Surgery, 2006, 24, 29-32.  | 2.1 | 12        |
| 105 | Computational analysis of DNA photolyases using digital signal processing methods. Molecular Simulation, 2006, 32, 1195-1203.  | 0.9 | 4         |
| 106 | Combination blue (415â€nm) and red (633â€nm) LED phototherapy in the treatment of mild to severe acne vulgaris. Journal of Cosmetic and Laser Therapy, 2006, 8, 71-75.   | 0.3 | 125       |
| 107 | The effect of electromagnetic radiation (550 – 850 nm) on l-Lactate dehydrogenase kinetics. International Journal of Radiation Biology, 2007, 83, 221-230.   | 1.0 | 23        |
| 108 | Influence of Electromagnetic Radiation on Enzyme Kinetics. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007, 2007, 5021-4.  | 0.5 | 10        |
| 109 | Cellular Damage in Diabetic Wounded Fibroblast Cells following Phototherapy at 632.8, 830, and 1064 nm. Laser Chemistry, 2007, 2007, 1-9.  | 0.5 | 7         |

| #   | Article   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 110 | Single cell analysis of low-power laser irradiation-induced activation of signaling pathway in cell proliferation. , $2007$ , , .   |     | 0         |
| 111 | Light dosimetry for low-level laser therapy: accounting for differences in tissue and depth. , 2007, , .  |     | 6         |
| 112 | COMBINATION TREATMENT OF ACNE VULGARIS WITH 630 NM LIGHT EMITTING DIODE THERAPY. Laser Therapy, 2007, 16, 143-149.  | 0.8 | 2         |
| 113 | <title>Photooxygenation of singlet oxygen traps upon excitation of molecular oxygen by dark red laser radiation in air-saturated solutions</title> ., 2007,,.   |     | 3         |
| 114 | Melatonin as a principal component of red light therapy. Medical Hypotheses, 2007, 69, 372-376.   | 0.8 | 19        |
| 115 | Optical Micromanipulation Methods for Controlled Rotation, Transportation, and Microinjection of Biological Objects. Methods in Cell Biology, 2007, 82, 563-599.  | 0.5 | 11        |
| 116 | Photobiomodulation on the Angiogenesis of Skin Wounds in Rats Using Different Light Sources. Photomedicine and Laser Surgery, 2007, 25, 102-106.  | 2.1 | 202       |
| 117 | Blue and red light combination LED phototherapy for acne vulgaris in patients with skin phototype IV. Lasers in Surgery and Medicine, 2007, 39, 180-188.  | 1.1 | 146       |
| 118 | Lowâ€level laser therapy for zymosanâ€induced arthritis in rats: Importance of illumination time. Lasers in Surgery and Medicine, 2007, 39, 543-550.  | 1.1 | 122       |
| 119 | Reciprocity of exposure time and irradiance on energy density during photoradiation on wound healing in a murine pressure ulcer model. Lasers in Surgery and Medicine, 2007, 39, 534-542.   | 1.1 | 135       |
| 120 | The antiâ€inflammatory mechanism of 635 nm lightâ€emittingâ€diode irradiation compared with existing COX inhibitors. Lasers in Surgery and Medicine, 2007, 39, 614-621.   | 1.1 | 130       |
| 121 | Increased expression of mitochondrial benzodiazepine receptors following low-level light treatment facilitates enhanced protoporphyrin IX production in glioma-derived cells in vitro. Lasers in Surgery and Medicine, 2007, 39, 678-684.   | 1.1 | 19        |
| 122 | Ultrastructural and autoradiographical analysis show a faster skin repair in He–Ne laser-treated wounds. Journal of Photochemistry and Photobiology B: Biology, 2007, 86, 87-96.  | 1.7 | 51        |
| 123 | Evaluation of mitochondrial respiratory chain activity in wound healing by low-level laser therapy. Journal of Photochemistry and Photobiology B: Biology, 2007, 86, 279-282.   | 1.7 | 184       |
| 124 | A prospective, randomized, placebo-controlled, double-blinded, and split-face clinical study on LED phototherapy for skin rejuvenation: Clinical, profilometric, histologic, ultrastructural, and biochemical evaluations and comparison of three different treatment settings. Journal of Photochemistry and Photobiology B: Biology, 2007, 88, 51-67. | 1.7 | 142       |
| 125 | Biological activity of hemoprotein nitrosyl complexes. Biochemistry (Moscow), 2007, 72, 1491-1504.  | 0.7 | 27        |
| 126 | Activity of murine peritoneal macrophages upon weak red and infrared laser irradiation in vitro and in vivo. Biophysics (Russian Federation), 2007, 52, 504-507.  | 0.2 | 3         |
| 127 | Helium–Neon Laser Irradiation Stimulates Cell Proliferation through Photostimulatory Effects in Mitochondria. Journal of Investigative Dermatology, 2007, 127, 2048-2057.   | 0.3 | 206       |

| #   | Article   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 128 | A Novel Mitochondrial Signaling Pathway Activated by Visibleâ€toâ€near Infrared Radiation ⟨sup⟩¶⟨/sup⟩. Photochemistry and Photobiology, 2004, 80, 366-372.   | 1.3 | 11        |
| 129 | Effects of Low Power Laser Irradiation on Intracellular Calcium and Histamine Release in RBLâ€2H3 Mast Cells. Photochemistry and Photobiology, 2007, 83, 979-984.   | 1.3 | 73        |
| 130 | 830 nm laser irradiation induces varicosity formation, reduces mitochondrial membrane potential and blocks fast axonal flow in small and medium diameter rat dorsal root ganglion neurons: implications for the analgesic effects of 830 nm laser. Journal of the Peripheral Nervous System, 2007, 12, 28-39. | 1.4 | 173       |
| 131 | Cellular response to infrared radiation involves retrograde mitochondrial signaling. Free Radical Biology and Medicine, 2007, 43, 128-135.  | 1.3 | 155       |
| 132 | A reasonable mechanism for visible light-induced skin rejuvenation. Lasers in Medical Science, 2007, 22, 1-3.   | 1.0 | 28        |
| 133 | Phosphene phenomenon: A new concept. BioSystems, 2008, 92, 168-174.   | 0.9 | 46        |
| 134 | Effect of polarization and coherence of low-intensity optical radiation on fish embryos. Journal of Applied Spectroscopy, 2008, 75, 843-856.  | 0.3 | 6         |
| 135 | Effect of defocused infrared diode laser on salivary flow rate and some salivary parameters of rats. Clinical Oral Investigations, 2008, 12, 25-30.   | 1.4 | 38        |
| 136 | In vitro effects of lowâ€level laser irradiation for bone marrow mesenchymal stem cells: Proliferation, growth factors secretion and myogenic differentiation. Lasers in Surgery and Medicine, 2008, 40, 726-733.   | 1.1 | 175       |
| 137 | Lowâ€power laser irradiation activates Src tyrosine kinase through reactive oxygen speciesâ€mediated signaling pathway. Journal of Cellular Physiology, 2008, 217, 518-528.   | 2.0 | 142       |
| 138 | Mitochondrial Signaling in Mammalian Cells Activated by Red and Nearâ€IR Radiation. Photochemistry and Photobiology, 2008, 84, 1091-1099.   | 1.3 | 425       |
| 139 | Pretreatment with near-infrared light via light-emitting diode provides added benefit against rotenone- and MPP+-induced neurotoxicity. Brain Research, 2008, 1243, 167-173.  | 1.1 | 100       |
| 140 | The role of near infrared radiation in photoaging of the skin. Experimental Gerontology, 2008, 43, 629-632.   | 1.2 | 112       |
| 141 | Elementary Processes in Cells after Light Absorption Do Not Depend on the Degree of Polarization: Implications for the Mechanisms of Laser Phototherapy. Photomedicine and Laser Surgery, 2008, 26, 77-82.  | 2.1 | 29        |
| 142 | An Introduction to Low-Level Light Therapy. Lecture Notes in Electrical Engineering, 2008, , 67-80.   | 0.3 | 1         |
| 143 | Enhancing Photodynamic Effect Using Low-Level Light Therapy. Lecture Notes in Electrical Engineering, 2008, , 81-88.  | 0.3 | 0         |
| 145 | Near-infrared light via light-emitting diode treatment is therapeutic against rotenone- and 1-methyl-4-phenylpyridinium ion-induced neurotoxicity. Neuroscience, 2008, 153, 963-974.  | 1,1 | 140       |
| 146 | Emotional responses and memory performance of middle-aged CD1 mice in a 3D maze: Effects of low infrared light. Neurobiology of Learning and Memory, 2008, 89, 480-488.   | 1.0 | 97        |

| #   | Article   | IF              | Citations    |
|-----|---|-----------------|--------------|
| 147 | Absorption Measurements of Cell Monolayers Relevant to Mechanisms of Laser Phototherapy: Reduction or Oxidation of Cytochrome c Oxidase Under Laser Radiation at 632.8 nm. Photomedicine and Laser Surgery, 2008, 26, 593-599.            | 2.1             | 81           |
| 148 | In vivo nonlinear spectral imaging microscopy of visible and ultraviolet irradiated hairless mouse skin tissues. Photochemical and Photobiological Sciences, 2008, 7, 1422.   | 1.6             | 18           |
| 149 | Low-Intensity Light Therapy: Exploring the Role of Redox Mechanisms. Photomedicine and Laser Surgery, 2008, 26, 323-328.  | 2.1             | 147          |
| 150 | Use of infrared and visible light radiation as modulator of protein activity. Estonian Journal of Engineering, 2008, 57, 107.   | 0.3             | 1            |
| 151 | Neuroprotective Effects of Near-Infrared Light in an <i>In Vivo</i> Neuropathy. Journal of Neuroscience, 2008, 28, 13511-13521.   | 1.7             | 117          |
| 152 | Investigation of Mast Cells in Human Gingiva Following Low-Intensity Laser Irradiation. Photomedicine and Laser Surgery, 2008, 26, 315-321.   | 2.1             | 35           |
| 153 | Low-Level Laser Therapy in the Prevention and Treatment of Chemotherapy-Induced Oral Mucositis in Young Patients. Photomedicine and Laser Surgery, 2008, 26, 393-400.   | 2.1             | 94           |
| 154 | Efeitos da terapia fotodinâmica e de uma única aplicação de laser de baixa potência em bactérias in vitro. Fisioterapia E Pesquisa, 2008, 15, 53-57.  | 0.3             | 13           |
| 155 | An $\tilde{A}_i$ lise cl $\tilde{A}$ nica do efeito da fotobiomodula $\tilde{A}$ S $\tilde{A}$ £o laser (GaAs - 904 nm) sobre a disfun $\tilde{A}$ S $\tilde{A}$ £o temporomandibular. Brazilian Journal of Physical Therapy, 2008, 12, . | 1.1             | 32           |
| 156 | Efeitos do laser de baixa potência sobre a dor e edema no trauma tendÃneo de ratos. Revista Brasileira<br>De Medicina Do Esporte, 2008, 14, 362-366.  | 0.1             | 7            |
| 157 | Laser de baixa intensidade em deiscência aguda de safenectomia: proposta terapêutica. Brazilian Journal of Cardiovascular Surgery, 2009, 24, 88-91.   | 0.2             | 15           |
| 158 | A study of low power laser on the regenerative process of Girardia tigrina (Girard, $1850$ ) (Turbellaria;) Tj ETQq $1\ 1$  | 0.784314<br>0.4 | rgBT /Overlo |
| 159 | THERAPEUTIC LASER TREATMENT FOR POST MASTECTOMY LYMPHOEDEMA: A PERSPECTIVE FOR NURSES. Laser Therapy, 2009, 18, 103-110.  | 0.8             | 0            |
| 160 | Effect of Visible and Infrared Polarized Light on the Healing Process of Full-Thickness Skin Wounds: An Experimental Study. Photomedicine and Laser Surgery, 2009, 27, 261-267.   | 2.1             | 26           |
| 161 | Implantation of Low-Level Laser Irradiated Mesenchymal Stem Cells into the Infarcted Rat Heart Is Associated with Reduction In Infarct Size and Enhanced Angiogenesis. Photomedicine and Laser Surgery, 2009, 27, 227-233.                | 2.1             | 41           |
| 162 | Low level laser therapy activates NF-kB via generation of reactive oxygen species in mouse embryonic fibroblasts. Proceedings of SPIE, 2009, , .  | 0.8             | 17           |
| 163 | Low-level laser irradiation inhibits abdominal aortic aneurysm progression in apolipoprotein E-deficient mice. Cardiovascular Research, 2009, 83, 785-792.  | 1.8             | 18           |
| 164 | Biphasic Dose Response in Low Level Light Therapy. Dose-Response, 2009, 7, dose-response.0.   | 0.7             | 782          |

| #   | Article  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 165 | Low infra red laser light irradiation on cultured neural cells: effects on mitochondria and cell viability after oxidative stress. BMC Complementary and Alternative Medicine, 2009, 9, 8. | 3.7 | 64        |
| 166 | Inhibition of mitochondria-dependent apoptosis by 635-nm irradiation in sodium nitroprusside-treated SH-SY5Y cells. Free Radical Biology and Medicine, 2009, 47, 850-857.                  | 1.3 | 27        |
| 167 | High fluence lowâ€power laser irradiation induces mitochondrial permeability transition mediated by reactive oxygen species. Journal of Cellular Physiology, 2009, 218, 603-611.           | 2.0 | 89        |
| 168 | Hâ∈Ras and PI3K are required for the formation of circular dorsal ruffles induced by lowâ∈power laser irradiation. Journal of Cellular Physiology, 2009, 219, 535-543.                     | 2.0 | 10        |
| 169 | Lowâ€power laser irradiation promotes cell proliferation by activating PI3K/Akt pathway. Journal of Cellular Physiology, 2009, 219, 553-562.   | 2.0 | 101       |
| 170 | Red light of 647Ânm enhances osteogenic differentiation in mesenchymal stem cells. Lasers in Medical Science, 2009, 24, 214-222.   | 1.0 | 73        |
| 171 | Effect of low level laser therapy on bronchial hyper-responsiveness. Lasers in Medical Science, 2009, 24, 567-576.   | 1.0 | 9         |
| 172 | Molecular mechanisms of photochemotherapy (Review). Journal of Applied Spectroscopy, 2009, 76, 44-65.  | 0.3 | 5         |
| 173 | Molecular mechanisms of cell proliferation induced by low power laser irradiation. Journal of Biomedical Science, 2009, 16, 4.   | 2.6 | 387       |
| 174 | Low-Energy Visible Light Irradiation Modulates Immune Responses Induced by Epicutaneous<br>Sensitization with Protein Antigen. Journal of Investigative Dermatology, 2009, 129, 2258-2264. | 0.3 | 9         |
| 175 | Infrared Radiation Influence on Molt and Regeneration of <i>Neohelice granulata</i> Dana, 1851 (Grapsidae, Sesarminae). Photochemistry and Photobiology, 2009, 85, 1134-1139.              | 1.3 | 2         |
| 176 | Ultrastructural analysis of the low level laser therapy effects on the lesioned anterior tibial muscle in the Gerbil. Micron, 2009, 40, 413-418.   | 1.1 | 40        |
| 177 | Low-intensity red laser on the prevention and treatment of induced-oral mucositis in hamsters. Journal of Photochemistry and Photobiology B: Biology, 2009, 94, 25-31.                     | 1.7 | 55        |
| 178 | Transduction mechanisms of photoreceptor signals in plant cells. Journal of Photochemistry and Photobiology C: Photochemistry Reviews, 2009, 10, 63-80.                                    | 5.6 | 41        |
| 179 | Visual perception and imagery: A new molecular hypothesis. BioSystems, 2009, 96, 178-184.  | 0.9 | 23        |
| 180 | Loosening of condensed chromatin in human blood lymphocytes exposed to irradiation with a low-energy He-Ne laser. Biology Bulletin, 2009, 36, 555-561.                                     | 0.1 | 3         |
| 181 | Emergence and transmission of visual awareness through optical coding in the brain: A redox molecular hypothesis on visual mental imagery. Bioscience Hypotheses, 2009, 2, 226-232.        | 0.2 | 11        |
| 182 | Modulation of rat pituitary growth hormone by 670nm light. Growth Hormone and IGF Research, 2009, 19, 274-279.   | 0.5 | 3         |

| #   | Article   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 183 | Near infrared light protects cardiomyocytes from hypoxia and reoxygenation injury by a nitric oxide dependent mechanism. Journal of Molecular and Cellular Cardiology, 2009, 46, 4-14.  | 0.9 | 83        |
| 184 | Photosensitivity in sponge due to cytochrome c oxidase?. Photochemical and Photobiological Sciences, 2009, 8, 755.  | 1.6 | 7         |
| 185 | The Application of Low-Level Laser Therapy after Cesarean Section Does Not Compromise Blood Prolactin Levels and Lactation Status. Photomedicine and Laser Surgery, 2009, 27, 509-512.  | 2.1 | 19        |
| 186 | Low-level Infrared Laser Therapy in Chemotherapy-induced Oral Mucositis. Journal of Pediatric Hematology/Oncology, 2009, 31, 33-37.   | 0.3 | 97        |
| 187 | Effect of Polarized Light Emitting Diode Irradiation on Wound Healing. Journal of Trauma, 2009, 67, 1073-1079.  | 2.3 | 22        |
| 189 | Evaluation of the effect of LED radiation in the repair of skin wounds on the dorsum of rats with iron deficiency anemia. , $2010$ , , .  |     | 0         |
| 190 | Can dendritic cells see light?. Proceedings of SPIE, 2010, , .  | 0.8 | 0         |
| 191 | Increased viability of odontoblast-like cells subjected to low-level laser irradiation. Laser Physics, 2010, 20, 1659-1666.   | 0.6 | 39        |
| 192 | Effect of near-infrared light-emitting diodes on nerve regeneration. Journal of Orthopaedic Science, 2010, 15, 233-239.   | 0.5 | 29        |
| 193 | Activation of the extracellular signal-regulated kinase signal pathway by light emitting diode irradiation. Lasers in Medical Science, 2010, 25, 531-537.   | 1.0 | 24        |
| 194 | Effects of water-filtered infrared A irradiation on human fibroblasts. Free Radical Biology and Medicine, 2010, 48, 153-160.  | 1.3 | 43        |
| 195 | Multiple roles of cytochrome <i>c</i> oxidase in mammalian cells under action of red and IRâ€A radiation. IUBMB Life, 2010, 62, 607-610.  | 1.5 | 291       |
| 196 | Ultrasensitive labelâ€free photothermal imaging, spectral identification, and quantification of cytochrome <i>c</i> in mitochondria, live cells, and solutions. Journal of Biophotonics, 2010, 3, 791-806.  | 1.1 | 51        |
| 197 | Mitochondrial signaling for histamine releases in laserâ€irradiated RBLâ€2H3 mast cells. Lasers in Surgery and Medicine, 2010, 42, 503-509.   | 1.1 | 36        |
| 198 | Light-induced effects of a fluorescent voltage-sensitive dye on neuronal activity in the crab stomatogastric ganglion. Journal of Neuroscience Methods, 2010, 188, 290-294.   | 1.3 | 12        |
| 199 | Absence of 633-nm laser irradiation-induced effects on glucose phosphorylation by hexokinase. Journal of Photochemistry and Photobiology B: Biology, 2010, 98, 216-222.   | 1.7 | 8         |
| 200 | Chondrogenic mRNA expression in prechondrogenic cells after blue laser irradiation. Journal of Photochemistry and Photobiology B: Biology, 2010, 98, 211-215.   | 1.7 | 50        |
| 201 | Estimation of the number of biophotons involved in the visual perception of a single-object image: Biophoton intensity can be considerably higher inside cells than outside. Journal of Photochemistry and Photobiology B: Biology, 2010, 100, 160-166. | 1.7 | 49        |

| #   | Article   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 202 | Low-Level Laser Therapy for Acute Neck Pain with Radiculopathy: A Double-Blind Placebo-Controlled Randomized Study. Pain Medicine, 2010, 11, 1169-1178.   | 0.9 | 63        |
| 203 | Nonâ€thermal cytocidal effect of infrared irradiation on cultured cancer cells using specialized device.<br>Cancer Science, 2010, 101, 1396-1402.   | 1.7 | 28        |
| 204 | Investigation of optimal aminolaevulinic acid concentration applied in topical aminolaevulinic acid-photodynamic therapy for treatment of moderate to severe acne: a pilot study in Chinese subjects. British Journal of Dermatology, 2010, 163, 1064-1071. | 1.4 | 44        |
| 205 | <i>In Vivo</i> Lowâ€level Light Therapy Increases Cytochrome Oxidase in Skeletal Muscle. Photochemistry and Photobiology, 2010, 86, 673-680.  | 1.3 | 97        |
| 206 | Development and Evaluation of Fiber Optic Probeâ€based Helium–Neon Lowâ€level Laser Therapy System for Tissue Regeneration—An <i>In Vivo</i> Experimental Study. Photochemistry and Photobiology, 2010, 86, 1364-1372.                                      | 1.3 | 24        |
| 208 | In vitro effect of low intensity laser on the cytotoxicity produced by substances released by bleaching gel. Brazilian Oral Research, 2010, 24, 460-466.  | 0.6 | 49        |
| 209 | Pilot study in neonates using low-level laser therapy in the immediate postoperative period of myelomeningocele. Einstein (Sao Paulo, Brazil), 2010, 8, 5-9.  | 0.3 | 2         |
| 210 | Effect of LED Phototherapy of Three Distinct Wavelengths on Fibroblasts on Wound Healing: A Histological Study in a Rodent Model. Photomedicine and Laser Surgery, 2010, 28, 547-552.   | 2.1 | 63        |
| 211 | Red-Light Light-Emitting Diode Irradiation Increases the Proliferation and Osteogenic Differentiation of Rat Bone Marrow Mesenchymal Stem Cells. Photomedicine and Laser Surgery, 2010, 28, S-157-S-165.  | 2.1 | 77        |
| 212 | Effect of Low-Power Gallium–Aluminum–Arsenium Noncoherent Light (640 nm) on Muscle Activity: A Clinical Study. Photomedicine and Laser Surgery, 2010, 28, 647-652.  | 2.1 | 49        |
| 213 | Review of studies on modulating enzyme activity by low intensity electromagnetic radiation. , 2010, 2010, 835-8.  |     | 3         |
| 214 | Low-Intensity Laser Irradiation Stimulates Wound Healing in Diabetic Wounded Fibroblast Cells (WS1). Diabetes Technology and Therapeutics, 2010, 12, 971-978.   | 2.4 | 61        |
| 215 | Effect of Helium-Neon Laser Irradiation on Hair Follicle Growth Cycle of Swiss Albino Mice. Skin Pharmacology and Physiology, 2010, 23, 79-85.  | 1.1 | 35        |
| 216 | Do we need infrared A photoprotection?. Expert Review of Dermatology, 2010, 5, 627-631.   | 0.3 | 2         |
| 217 | Effects of Two Low-Intensity Laser Therapy Protocols on Experimental Tooth Movement. Photomedicine and Laser Surgery, 2010, 28, 757-762.  | 2.1 | 52        |
| 218 | Diode Laser Decreases the Activity of Catalase on Submandibular Glands of Diabetic Rats.<br>Photomedicine and Laser Surgery, 2010, 28, 91-95.   | 2.1 | 19        |
| 219 | Theoretic, Experimental, Clinical Bases of the Water Oscillator Hypothesis in Near-Infrared Photobiomodulation. Photomedicine and Laser Surgery, 2010, 28, S-41-S-52.   | 2.1 | 35        |
| 220 | Role of Lowâ€Level Laser Therapy in Neurorehabilitation. PM and R, 2010, 2, S292-305.   | 0.9 | 264       |

| #   | Article  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 221 | Laser Photobiomodulation of Proliferation of Cells in Culture: A Review of Human and Animal Studies. Photomedicine and Laser Surgery, 2010, 28, S-3-S-40.  | 2.1 | 93        |
| 222 | Novel Treatment Immediately after Myelomeningocele Repair Applying Low-Level Laser Therapy in Newborns: A Pilot Study. Pediatric Neurosurgery, 2010, 46, 249-254.  | 0.4 | 9         |
| 223 | Light-Emitting Diodes (LEDs): An Artificial Lighting Source for Biological Studies. IFMBE Proceedings, 2010, , 134-139.  | 0.2 | 22        |
| 224 | A Randomized Clinical Trial of the Effectiveness of Photon Stimulation on Pain, Sensation, and Quality of Life in Patients With Diabetic Peripheral Neuropathy. Journal of Pain and Symptom Management, 2010, 39, 88-99. | 0.6 | 33        |
| 225 | Healing of Surgical Wounds Made with λ970-nm Diode Laser Associated or Not with Laser Phototherapy<br>(λ655 nm) or Polarized Light (λ400–2000 nm). Photomedicine and Laser Surgery, 2010, 28, 489-496.                   | 2.1 | 21        |
| 226 | Laser Phototherapy as Topical Prophylaxis Against Radiation-Induced Xerostomia. Photomedicine and Laser Surgery, 2010, 28, 357-363.  | 2.1 | 49        |
| 227 | Acute Low Back Pain with Radiculopathy: A Double-Blind, Randomized, Placebo-Controlled Study. Photomedicine and Laser Surgery, 2010, 28, 553-560.  | 2.1 | 42        |
| 228 | Laser Biomodulation on L 929 Cell Culture. Photomedicine and Laser Surgery, 2010, 28, 167-171.   | 2.1 | 23        |
| 229 | Photoprotection beyond Ultraviolet Radiation – Effective Sun Protection Has to Include Protection against Infrared A Radiation-Induced Skin Damage. Skin Pharmacology and Physiology, 2010, 23, 15-17.                   | 1.1 | 81        |
| 230 | Biophoton Detection and Low-Intensity Light Therapy: A Potential Clinical Partnership. Photomedicine and Laser Surgery, 2010, 28, 23-30.   | 2.1 | 57        |
| 231 | Low-Level Laser Therapy Activates NF-kB via Generation of Reactive Oxygen Species in Mouse Embryonic Fibroblasts. PLoS ONE, 2011, 6, e22453.   | 1.1 | 362       |
| 232 | Influence of Laser Phototherapy (λ660 nm) on the Outcome of Oral Chemical Carcinogenesis on the Hamster Cheek Pouch Model: Histological Study. Photomedicine and Laser Surgery, 2011, 29, 741-745.                       | 2.1 | 35        |
| 233 | Phototoxic effect of conjugates of plasmon-resonance nanoparticles with indocyanine green dye on Staphylococcus aureus induced by IR laser radiation. Quantum Electronics, 2011, 41, 354-359.                            | 0.3 | 27        |
| 234 | Light-Emitting Diode Phototherapy in Dermatological Practice. , 2011, , 231-265.   |     | 3         |
| 235 | Optical Spectroscopic Analysis of Muscle Spasticity for Low-Level Laser Therapy (LLLT). Journal of the Optical Society of Korea, 2011, 15, 373-379.  | 0.6 | 4         |
| 236 | Near-Infrared Irradiation Photobiomodulation: The Need for Basic Science. Photomedicine and Laser Surgery, 2011, 29, 143-144.  | 2.1 | 25        |
| 237 | Non-Thermal Effects of Near-Infrared Irradiation on Melanoma. , 0, , .   |     | 15        |
| 238 | Photodynamic antimicrobial chemotherapy in dental practice. Dental Nursing, 2011, 7, 380-385.  | 0.0 | 2         |

| #   | Article   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 239 | Low-level light therapy of the eye and brain. Eye and Brain, 2011, 3, 49.   | 3.8 | 142       |
| 240 | Objective assessment of skin rejuvenation using near-infrared 1064-nm neodymium: YAG laser in Asians. Clinical, Cosmetic and Investigational Dermatology, 2011, 4, 123.   | 0.8 | 33        |
| 241 | IS LIGHT-EMITTING DIODE PHOTOTHERAPY (LED-LLLT) REALLY EFFECTIVE?. Laser Therapy, 2011, 20, 205-215.  | 0.8 | 161       |
| 242 | May the variable magnetic field and pulse red light induce synergy effects in respiratory burst of neutrophils in vitro?. Journal of Physics: Conference Series, 2011, 329, 012023.   | 0.3 | 3         |
| 243 | Efficacy of low-power laser irradiation in the prevention of D-galactose-induced senescence in human dermal fibroblasts. Proceedings of SPIE, $2011$ , , .  | 0.8 | 0         |
| 244 | Low Level Laser and Light Therapy. , 2011, , 751-770.   |     | 0         |
| 245 | Water-filtered infrared A for the treatment of chronic venous stasis ulcers of the lower legs at home: a randomized controlled blinded study. British Journal of Dermatology, 2011, 165, 541-551.   | 1.4 | 22        |
| 246 | Mitochondrial oxidative stress causes mitochondrial fragmentation via differential modulation of mitochondrial fission–fusion proteins. FEBS Journal, 2011, 278, 941-954.   | 2.2 | 341       |
| 247 | Use of laser phototherapy on a delayed wound healing of oral mucosa previously submitted to radiotherapy: case report. International Wound Journal, 2011, 8, 413-418.   | 1.3 | 8         |
| 248 | Low-power light and isolated rat hearts after ischemia of myocardium. Journal of Photochemistry and Photobiology B: Biology, 2011, 105, 21-24.  | 1.7 | 13        |
| 249 | Enhancement of cutaneous immune response to bacterial infection after low-level light therapy with 1072nm infrared light: A preliminary study. Journal of Photochemistry and Photobiology B: Biology, 2011, 105, 175-182.   | 1.7 | 30        |
| 250 | No evidence for non-resonant optical frequency-induced effects on the intrinsic fluorescence of adenosine-5′-triphosphate and the kinetics of the firefly luciferin–luciferase reaction. Journal of Photochemistry and Photobiology A: Chemistry, 2011, 223, 88-96. | 2.0 | 0         |
| 251 | Electromagnetic cellular interactions. Progress in Biophysics and Molecular Biology, 2011, 105, 223-246.  | 1.4 | 232       |
| 252 | Infrared A radiation effects on the skin. Piel, 2011, 26, 259-262.  | 0.0 | 3         |
| 253 | The Effect of Low-Level Laser Therapy on Salivary Glands in Patients with Xerostomia. Photomedicine and Laser Surgery, 2011, 29, 171-175.   | 2.1 | 65        |
| 254 | Effects of low-power laser irradiation (LPLI) at different wavelengths and doses on oxidative stress and fibrogenesis parameters in an animal model of wound healing. Lasers in Medical Science, 2011, 26, 125-131.   | 1.0 | 103       |
| 255 | Low-level laser therapy (LLLT) acts as cAMP-elevating agent in acute respiratory distress syndrome. Lasers in Medical Science, 2011, 26, 389-400.   | 1.0 | 41        |
| 256 | Effect of Laser Irradiation on Adrenoreactivity of Pial Arterial Vessels in Rats. Bulletin of Experimental Biology and Medicine, 2011, 151, 1-4.  | 0.3 | 2         |

| #   | Article  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 257 | Influence of Low Intensity Laser Irradiation on Isolated Human Adipose Derived Stem Cells Over 72 Hours and Their Differentiation Potential into Smooth Muscle Cells Using Retinoic Acid. Stem Cell Reviews and Reports, 2011, 7, 869-882. | 5.6 | 68        |
| 258 | Laser therapy: A review of its mechanism of action and potential medical applications. Laser and Photonics Reviews, 2011, 5, 1-12.   | 4.4 | 51        |
| 259 | Dose response effects of 810 nm laser light on mouse primary cortical neurons. Lasers in Surgery and Medicine, 2011, 43, 851-859.  | 1.1 | 140       |
| 260 | Gene expression under laser and light-emitting diodes radiation for modulation of cell adhesion: Possible applications for biotechnology. IUBMB Life, 2011, 63, n/a-n/a.   | 1.5 | 19        |
| 261 | Single-sweep voltage-sensitive dye imaging of interacting identified neurons. Journal of Neuroscience Methods, 2011, 194, 224-234.   | 1.3 | 12        |
| 262 | Photosensitive materials and potential of photocurrent mediated tissue regeneration. Journal of Photochemistry and Photobiology B: Biology, 2011, 102, 93-101.   | 1.7 | 22        |
| 263 | Low intensity light stimulates nitrite-dependent nitric oxide synthesis but not oxygen consumption by cytochrome c oxidase: Implications for phototherapy. Journal of Photochemistry and Photobiology B: Biology, 2011, 102, 182-191.      | 1.7 | 90        |
| 264 | Effects of blue light irradiation on human dermal fibroblasts. Journal of Photochemistry and Photobiology B: Biology, 2011, 103, 118-125.  | 1.7 | 122       |
| 265 | 660 AsGaAl Laser to Alleviate Pain Caused by Cryosurgical Treatment of Oral Leukoplakia: A Preliminary Study. Photomedicine and Laser Surgery, 2011, 29, 345-350.  | 2.1 | 8         |
| 266 | Inhibitory Effects of Laser Irradiation on Peripheral Mammalian Nerves and Relevance to Analgesic Effects: A Systematic Review. Photomedicine and Laser Surgery, 2011, 29, 365-381.  | 2.1 | 210       |
| 267 | The Thermal Effects of Therapeutic Lasers with 810 and 904 nm Wavelengths on Human Skin. Photomedicine and Laser Surgery, 2011, 29, 145-153.   | 2.1 | 49        |
| 268 | Effect of LED Red and IR Photobiomodulation in Tongue Mast Cells in Wistar Rats: Histological Study. Photomedicine and Laser Surgery, 2011, 29, 767-771.   | 2.1 | 15        |
| 269 | Photobiomodulation Protects the Retina from Light-Induced Photoreceptor Degeneration. , 2011, 52, 3582.  |     | 114       |
| 270 | Comparison of Therapeutic Effects between Pulsed and Continuous Wave 810-nm Wavelength Laser Irradiation for Traumatic Brain Injury in Mice. PLoS ONE, 2011, 6, e26212.  | 1.1 | 175       |
| 271 | Biphasic Dose Response in Low Level Light Therapy – an Update. Dose-Response, 2011, 9, dose-response.1.  | 0.7 | 581       |
| 272 | Acceleration of the Meckel Syndrome by Near-Infrared Light Therapy. Nephron Extra, 2011, 1, 224-234.   | 1.1 | 3         |
| 273 | Effects of 810-nm Laser on Murine Bone-Marrow-Derived Dendritic Cells. Photomedicine and Laser Surgery, 2011, 29, 383-389.   | 2.1 | 51        |
| 274 | EMISSION OF MITOCHONDRIAL BIOPHOTONS AND THEIR EFFECT ON ELECTRICAL ACTIVITY OF MEMBRANE VIA MICROTUBULES. Journal of Integrative Neuroscience, 2011, 10, 65-88.   | 0.8 | 81        |

| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 275 | Effects of a low level laser on the acceleration of wound healing in rabbits. North American Journal of Medical Sciences, 2011, 3, 193-197.   | 1.7 | 37        |
| 276 | Stimulation of TRPV1 by Green Laser Light. Evidence-based Complementary and Alternative Medicine, 2012, 2012, 1-8.  | 0.5 | 38        |
| 277 | Low-Level Laser Therapy in Patients with Complaints of Tinnitus: A Clinical Study. ISRN Otolaryngology, 2012, 2012, 1-5.  | 0.9 | 14        |
| 278 | Noninvasive Brain Stimulation in Traumatic Brain Injury. Journal of Head Trauma Rehabilitation, 2012, 27, 274-292.  | 1.0 | 125       |
| 279 | Profiling of genes central to human mitochondrial energy metabolism following low intensity laser irradiation. AIP Conference Proceedings, 2012, , .  | 0.3 | 3         |
| 280 | Photodynamic Therapy with Indocyanine Green Injection and Near-Infrared Light Irradiation Has<br>Phototoxic Effects and Delays Paralysis in Spinal Metastasis. Photomedicine and Laser Surgery, 2012,<br>30, 47-53. | 2.1 | 25        |
| 281 | Laser scattering by transcranial rat brain illumination. Proceedings of SPIE, 2012, , .   | 0.8 | 4         |
| 282 | Effects of polarization in low-level laser therapy of spinal cord injury in rats. , 2012, , .   |     | 0         |
| 283 | Red and near infra-red signaling: Hypothesis and perspectives. Journal of Photochemistry and Photobiology C: Photochemistry Reviews, 2012, 13, 190-203.   | 5.6 | 38        |
| 284 | Immunocytochemical studies on the effect of 405-nm low-power laser irradiation on human-derived A-172 glioblastoma cells. Lasers in Medical Science, 2012, 27, 935-942.   | 1.0 | 9         |
| 285 | Prevention of recurrent herpes labialis outbreaks through low-intensity laser therapy: a clinical protocol with 3-year follow-up. Lasers in Medical Science, 2012, 27, 1077-1083.                                   | 1.0 | 22        |
| 286 | Acneiform rash due to epidermal growth factor receptor inhibitors: high-level laser therapy as an innovative approach. Lasers in Medical Science, 2012, 27, 1085-1090.  | 1.0 | 18        |
| 287 | Laser biomodulation of normal and neoplastic cells. Lasers in Medical Science, 2012, 27, 1039-1043.   | 1.0 | 29        |
| 288 | Blue-light-receptive cryptochrome is expressed in a sponge eye lacking neurons and opsin. Journal of Experimental Biology, 2012, 215, 1278-1286.  | 0.8 | 90        |
| 289 | Laser for treatment of aphthous ulcers on bacteria cultures and DNA. Photochemical and Photobiological Sciences, 2012, 11, 1476-1483.   | 1.6 | 28        |
| 290 | The Plasma Membrane is Involved in the Visible Light–Tissue Interaction. Photomedicine and Laser Surgery, 2012, 30, 14-19.  | 2.1 | 29        |
| 291 | Low level laser arrests abdominal aortic aneurysm by collagen matrix reinforcement in apolipoprotein Eâ€deficient mice. Lasers in Surgery and Medicine, 2012, 44, 664-674.  | 1.1 | 18        |
| 292 | Potential for Osteogenic and Chondrogenic Differentiation of MSC. Advances in Biochemical Engineering/Biotechnology, 2012, 129, 73-88.  | 0.6 | 25        |

| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 293 | MicroRNA-193 Pro-Proliferation Effects for Bone Mesenchymal Stem Cells After Low-Level Laser Irradiation Treatment Through Inhibitor of Growth Family, Member 5. Stem Cells and Development, 2012, 21, 2508-2519.                                 | 1.1 | 68        |
| 294 | Low-level laser (light) therapy (LLLT) on muscle tissue: performance, fatigue and repair benefited by the power of light. Photonics & Lasers in Medicine, 2012, 1, 267-286.   | 0.3 | 166       |
| 295 | Low-Level Light Therapy Improves Cortical Metabolic Capacity and Memory Retention. Journal of Alzheimer's Disease, 2012, 32, 741-752.   | 1.2 | 113       |
| 296 | Regenerative Medicine of Epidermal Structures. , 2012, , 261-284.   |     | O         |
| 297 | The Brain-Derived Neurotrophic Factor, Nerve Growth Factor, Neurotrophin-3, and Induced Nitric Oxide Synthase Expressions After Low-Level Laser Therapy in an Axonotmesis Experimental Model. Photomedicine and Laser Surgery, 2012, 30, 642-647. | 2.1 | 37        |
| 298 | Near-Infrared Photobiomodulation in an Animal Model of Traumatic Brain Injury: Improvements at the Behavioral and Biochemical Levels. Photomedicine and Laser Surgery, 2012, 30, 523-529.   | 2.1 | 64        |
| 299 | Philosophy, Dogma, and Possibilities. Photomedicine and Laser Surgery, 2012, 30, 403-404.   | 2.1 | 1         |
| 300 | Effect of 635 nm Light-Emitting Diode Irradiation on Intracellular Superoxide Anion Scavenging Independent of the Cellular Enzymatic Antioxidant System. Photomedicine and Laser Surgery, 2012, 30, 451-459.                                      | 2.1 | 13        |
| 301 | Lasers in Infertility Treatment: Irradiation of Oocytes and Spermatozoa. Photomedicine and Laser Surgery, 2012, 30, 239-241.  | 2.1 | 24        |
| 302 | Low-Level Laser Irradiation Stimulates Tenocyte Migration with Up-Regulation of Dynamin II Expression. PLoS ONE, 2012, 7, e38235.   | 1.1 | 41        |
| 303 | O uso do laser na reabilitação das desordens temporomandibulares. Fisioterapia Em Movimento, 2012, 25, 453-459.   | 0.4 | 7         |
| 304 | The production of VEGF involving MAP kinase activation by low level laser therapy in human granulosa cells. Laser Therapy, 2012, 21, 269-274.   | 0.8 | 21        |
| 305 | Effects of low-level laser therapy after nerve reconstruction in rat denervated soleus muscle adaptation. Brazilian Journal of Physical Therapy, 2012, 16, 320-327.   | 1.1 | 13        |
| 306 | Thermal increase in the oral mucosa and in the jawbone during Nd:YAG laser applications. Ex vivo study. Medicina Oral, Patologia Oral Y Cirugia Bucal, 2012, 17, e697-e704.   | 0.7 | 13        |
| 307 | Solid Tumors and Photobiomodulation: A Novel Approach to Induce Physiologically Reparative Homeostasis / Homeokinesis. Review. Journal of Solid Tumors, 2012, 2, .  | 0.1 | 8         |
| 308 | Photochemical investigation of the IR absorption bands of molecular oxygen in organic and aqueous environment. Photochemical and Photobiological Sciences, 2012, 11, 988-997.   | 1.6 | 37        |
| 309 | Chromophore absorbance change quantification in tissue during low-level light therapy. Proceedings of SPIE, 2012, , .   | 0.8 | 0         |
| 310 | Pulsed vs. CW low level light therapy on osteoarticular signs and symptoms in limited scleroderma (CREST syndrome). Proceedings of SPIE, 2012, , .  | 0.8 | 0         |

| #   | Article   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 311 | Histomorphometric analysis of inflammatory response and necrosis in re-implanted central incisor of rats treated with low-level laser therapy. Lasers in Medical Science, 2012, 27, 551-557.                                | 1.0 | 18        |
| 312 | Lowâ€intensity laser irradiation at 660 nm stimulates cytochrome c oxidase in stressed fibroblast cells.<br>Lasers in Surgery and Medicine, 2012, 44, 429-434.  | 1.1 | 54        |
| 313 | Transcranial low level laser (light) therapy for traumatic brain injury. Journal of Biophotonics, 2012, 5, 827-837.   | 1.1 | 68        |
| 314 | The effect of low-level laser to apoptosis of chondrocyte and caspases expression, including caspase-8 and caspase-3 in rabbit surgery-induced model of knee osteoarthritis. Rheumatology International, 2012, 32, 759-766. | 1.5 | 21        |
| 315 | Efficacy of blue light vs. red light in the treatment of psoriasis: a doubleâ€blind, randomized comparative study. Journal of the European Academy of Dermatology and Venereology, 2012, 26, 219-225.                       | 1.3 | 47        |
| 316 | Lowâ€level laser therapy reduces time to ambulation in dogs after hemilaminectomy: a preliminary study. Journal of Small Animal Practice, 2012, 53, 465-469.  | 0.5 | 72        |
| 317 | Experimental basis for discriminating between thermal and athermal effects of waterâ€filtered infrared A irradiation. Annals of the New York Academy of Sciences, 2012, 1259, 33-38.  | 1.8 | 14        |
| 318 | 670 nm Red Light Preconditioning Supports MÃ⅓ller Cell Function: Evidence from the White Lightâ€induced Damage Model in the Rat Retina <sup>â€</sup> . Photochemistry and Photobiology, 2012, 88, 1418-1427.                | 1.3 | 58        |
| 319 | The Nuts and Bolts of Low-level Laser (Light) Therapy. Annals of Biomedical Engineering, 2012, 40, 516-533.   | 1.3 | 1,056     |
| 320 | Metrical and histological investigation of the effects of low-level laser therapy on orthodontic tooth movement. Lasers in Medical Science, 2012, 27, 131-140.  | 1.0 | 80        |
| 321 | Low-level laser therapy: a useful technique for enhancing the proliferation of various cultured cells. Lasers in Medical Science, 2012, 27, 237-249.  | 1.0 | 430       |
| 322 | An experimental study of low-level laser therapy in rat Achilles tendon injury. Lasers in Medical Science, 2012, 27, 103-111.   | 1.0 | 41        |
| 323 | Low-intensity infrared laser increases plasma proteins and induces oxidative stress in vitro. Lasers in Medical Science, 2012, 27, 211-217.   | 1.0 | 20        |
| 324 | Cytomorphological changes in buccal mucosa of patients treated with low-level 1,064-nm laser radiation. Lasers in Medical Science, 2012, 27, 219-222.   | 1.0 | 2         |
| 325 | Effects of low-level laser therapy (808Ânm) on isokinetic muscle performance of young women submitted to endurance training: a randomized controlled clinical trial. Lasers in Medical Science, 2012, 27, 497-504.          | 1.0 | 85        |
| 326 | Effects of light-emitting diodes on muscle fatigue and exercise tolerance in patients with COPD: study protocol for a randomized controlled trial. Trials, 2013, 14, 134.   | 0.7 | 2         |
| 327 | Effects of laser and LED radiation on mitochondrial respiration in experimental endotoxic shock. Lasers in Medical Science, 2013, 28, 785-790.  | 1.0 | 21        |
| 328 | Non-invasive infra-red therapy (1072nm) reduces β-amyloid protein levels in the brain of an Alzheimer's disease mouse model, TASTPM. Journal of Photochemistry and Photobiology B: Biology, 2013, 123, 13-22.               | 1.7 | 87        |

| #   | Article  | IF  | Citations |
|-----|--|-----|-----------|
| 329 | Red/near-infrared irradiation therapy for treatment of central nervous system injuries and disorders. Reviews in the Neurosciences, 2013, 24, 205-26.  | 1.4 | 71        |
| 330 | Low-Level Laser in Prevention and Treatment of Oral Mucositis in Pediatric Patients with Acute Lymphoblastic Leukemia. Photomedicine and Laser Surgery, 2013, 31, 613-618.                                     | 2.1 | 30        |
| 331 | Effect of Low-Level Laser Irradiation on Oxygen Free Radicals and Ventricular Remodeling in the Infarcted Rat Heart. Photomedicine and Laser Surgery, 2013, 31, 447-452.                                       | 2.1 | 6         |
| 332 | A pilot study into the effect of low-level laser therapy in patients with chronic rhinosinusitis. Physiotherapy Theory and Practice, 2013, 29, 596-603.  | 0.6 | 17        |
| 333 | The growth of human scalp hair mediated by visible red light laser and LED sources in males. Lasers in Surgery and Medicine, 2013, 45, 487-495.  | 1.1 | 122       |
| 334 | 670Ânm light mitigates oxygen-induced degeneration in C57BL/6J mouse retina. BMC Neuroscience, 2013, 14, 125.  | 0.8 | 37        |
| 335 | Changes to mitochondrial ultrastructure in optic nerve vulnerable to secondary degeneration in vivo are limited by irradiation at 670Ânm. BMC Neuroscience, 2013, 14, 98.                                      | 0.8 | 25        |
| 336 | Laser and LED phototherapies on angiogenesis. Lasers in Medical Science, 2013, 28, 981-987.  | 1.0 | 81        |
| 337 | Photodynamic antimicrobial chemotherapy (PACT) using phenothiazines derivatives associated with the red laser against staphylococcus aureus. , $2013, \dots$   |     | 1         |
| 338 | Age-related retinal inflammation is reduced by 670 nm light via increased mitochondrial membrane potential. Neurobiology of Aging, 2013, 34, 602-609.  | 1.5 | 73        |
| 339 | 670nm LED ameliorates inflammation in the CFHâ $^{\prime\prime}$ /â $^{\prime\prime}$ mouse neural retina. Journal of Photochemistry and Photobiology B: Biology, 2013, 122, 24-31.                            | 1.7 | 10        |
| 340 | Lowâ€evel laser therapy can produce increased aggressiveness of dysplastic and oral cancer cell lines by modulation of Akt/mTOR signaling pathway. Journal of Biophotonics, 2013, 6, 839-847.                  | 1.1 | 71        |
| 341 | Shining light on nanotechnology to help repair and regeneration. Biotechnology Advances, 2013, 31, 607-631.  | 6.0 | 96        |
| 342 | Lowâ€level laser therapy for fat layer reduction: A comprehensive review. Lasers in Surgery and Medicine, 2013, 45, 349-357.   | 1.1 | 95        |
| 343 | Effects of low-level laser therapy (GaAs) in an animal model of muscular damage induced by trauma. Lasers in Medical Science, 2013, 28, 431-436.   | 1.0 | 64        |
| 344 | Time-dependent effects of low-level laser therapy on the morphology and oxidative response in the skin wound healing in rats. Lasers in Medical Science, 2013, 28, 383-390.                                    | 1.0 | 44        |
| 345 | Influence of three laser wavelengths on human fibroblasts cell culture. Lasers in Medical Science, 2013, 28, 457-463.  | 1.0 | 21        |
| 346 | Liver regeneration following partial hepatectomy is improved by enhancing the HGF/Met axis and Akt and Erk pathways after low-power laser irradiation in rats. Lasers in Medical Science, 2013, 28, 1511-1517. | 1.0 | 18        |

| #   | Article   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 347 | In vivo and in vitro analysis of low level light therapy: a useful therapeutic approach for sensitive skin. Lasers in Medical Science, 2013, 28, 1573-1579.   | 1.0 | 12        |
| 348 | Effect of low-level laser therapy (808Ânm) on markers of muscle damage: a randomized double-blind placebo-controlled trial. Lasers in Medical Science, 2013, 29, 933-8.   | 1.0 | 43        |
| 349 | DNA repair gene expression in biological tissues exposed to low-intensity infrared laser. Lasers in Medical Science, 2013, 28, 1077-1084.   | 1.0 | 24        |
| 350 | Analgesic effect of a low-level laser therapy (830 nm) in early orthodontic treatment. Lasers in Medical Science, 2013, 28, 335-341.  | 1.0 | 63        |
| 351 | Luminous fabric devices for wearable low-level light therapy. Biomedical Optics Express, 2013, 4, 2925.   | 1.5 | 51        |
| 352 | Does Phototherapy Enhance Skeletal Muscle Contractile Function and Postexercise Recovery? A Systematic Review. Journal of Athletic Training, 2013, 48, 57-67.   | 0.9 | 100       |
| 353 | Low-level laser therapy for spinal cord injury in rats: effects of polarization. Journal of Biomedical Optics, 2013, 18, 098002.  | 1.4 | 36        |
| 354 | Low power laser and LED irradiation effect on proliferation and differentiation of Wistar rats mesenchymal stem cells. Proceedings of SPIE, 2013, , .   | 0.8 | 2         |
| 355 | Effects of low power microwave radiation on biological activity of Collagenase enzyme and growth rate of S. Cerevisiae yeast. , 2013, , .   |     | 0         |
| 356 | Optical radiation in modern medicine. Postepy Dermatologii I Alergologii, 2013, 4, 246-251.   | 0.4 | 24        |
| 357 | Effects of Low-Level Laser Therapy, 660 nm, in Experimental Septic Arthritis. ISRN Rheumatology, 2013, 2013, 1-8.   | 1.9 | 6         |
| 358 | Effects of the Low Level Light therapy on skin wound using LED. , 2013, , .   |     | 2         |
| 359 | Evaluation of the efficacy of low-level light therapy using 1072Ânm infrared light for the treatment of herpes simplex labialis. Clinical and Experimental Dermatology, 2013, 38, n/a-n/a.                                    | 0.6 | 23        |
| 360 | Laser Therapy in Metabolic Syndromeâ€Related Kidney Injury. Photochemistry and Photobiology, 2013, 89, 953-960.   | 1.3 | 14        |
| 362 | Blue Laser Irradiation Generates Intracellular Reactive Oxygen Species in Various Types of Cells. Photomedicine and Laser Surgery, 2013, 31, 95-104.  | 2.1 | 60        |
| 363 | Optoelectronic set to objectification irradiation of cell cultures in Low Level Light Therapy procedures. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 354-359.                     | 0.4 | O         |
| 364 | Objective assessment of skin tightening in Asians using a water-filtered near-infrared (1,000–1,800 nm) device with contact-cooling and freezer-stored gel. Clinical, Cosmetic and Investigational Dermatology, 2013, 6, 167. | 0.8 | 25        |
| 365 | Laser Photobiomodulation as a Potential Multi-Target Anticancer Therapy-Review. Journal of Solid Tumors, 2013, 3, .   | 0.1 | 5         |

| #   | Article  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 366 | Low Level Laser Effect on the Action of Lymph Nodule and Cervical in Inoculated Mice with Carcinoma in Memory Gland. Oriental Journal of Chemistry, 2013, 29, 1233-1236.   | 0.1 | 0         |
| 367 | Middle Infrared Radiation Induces G2/M Cell Cycle Arrest in A549 Lung Cancer Cells. PLoS ONE, 2013, 8, e54117.   | 1.1 | 27        |
| 368 | 670nm Photobiomodulation as a Novel Protection against Retinopathy of Prematurity: Evidence from Oxygen Induced Retinopathy Models. PLoS ONE, 2013, 8, e72135.   | 1.1 | 47        |
| 369 | Near-Infrared 808 nm Light Boosts Complex IV-Dependent Respiration and Rescues a Parkinson-Related pink1 Model. PLoS ONE, 2013, 8, e78562.   | 1.1 | 39        |
| 370 | Mitigating Phototoxicity during Multiphoton Microscopy of Live Drosophila Embryos in the 1.0–1.2 Âμm Wavelength Range. PLoS ONE, 2014, 9, e104250.   | 1.1 | 59        |
| 371 | Shedding Light on a New Treatment for Diabetic Wound Healing: A Review on Phototherapy. Scientific World Journal, The, 2014, 2014, 1-13.   | 0.8 | 75        |
| 372 | Lasers in Esthetic Dentistry: Soft Tissue Photobiomodulation, Hard Tissue Decontamination, and Ceramics Conditioning. Case Reports in Dentistry, 2014, 2014, 1-6.  | 0.2 | 5         |
| 373 | Effects of low-power light therapy on wound healing: LASER x LED. Anais Brasileiros De Dermatologia, 2014, 89, 616-623.  | 0.5 | 193       |
| 374 | Treatment of upper limb lymphedema with low-level laser: a systematic review. Fisioterapia Em Movimento, 2014, 27, 663-674.  | 0.4 | 7         |
| 375 | Effects of low intensity laser in in vitro bacterial culture and in vivo infected wounds. Revista Do Colegio Brasileiro De Cirurgioes, 2014, 41, 49-55.  | 0.3 | 21        |
| 376 | Effects of water-filtered infrared-A and of heat on cell death, inflammation, antioxidative potential and of free radical formation in viable skin – First results. Journal of Photochemistry and Photobiology B: Biology, 2014, 138, 347-354. | 1.7 | 14        |
| 377 | Low-Level Laser Therapy on Bone Repair of Rat Tibiae Exposed to Ionizing Radiation. Photomedicine and Laser Surgery, 2014, 32, 618-626.  | 2.1 | 11        |
| 378 | Low intensity infrared laser affects expression of oxidative DNA repair genes in mitochondria and nucleus. Laser Physics, 2014, 24, 115605.  | 0.6 | 8         |
| 379 | Biophysical Bases of Acupuncture. , 2014, , 299-316.   |     | 1         |
| 380 | Far red/near infrared light-induced protection against cardiac ischemia and reperfusion injury remains intact under diabetic conditions and is independent of nitric oxide synthase. Frontiers in Physiology, 2014, 5, 305.                    | 1.3 | 24        |
| 381 | Is there a stimulation of blood microcirculation at low level laser irradiation. Proceedings of SPIE, 2014, , .  | 0.8 | 1         |
| 382 | Biostimulation of the growth of wheat seeds produced by modulated pulsed diode lasers radiation. , 2014, , .   |     | 1         |
| 383 | Integral-geometry characterization of photobiomodulation effects on retinal vessel morphology. Biomedical Optics Express, 2014, 5, 2317.   | 1.5 | 8         |

| #   | Article  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 384 | Intracellular signaling cascades following light irradiation. Laser and Photonics Reviews, 2014, 8, 115-130.   | 4.4 | 27        |
| 385 | Blue light inhibits transforming growth factorâ€Î²1â€induced myofibroblast differentiation of human dermal fibroblasts. Experimental Dermatology, 2014, 23, 240-246.   | 1.4 | 28        |
| 386 | Low-level light therapy (LLLT) for cosmetics and dermatology. , 2014, , .  |     | 4         |
| 387 | Pulsed versus continuous wave low-level light therapy on osteoarticular signs and symptoms in limited scleroderma (CREST syndrome): a case report. Journal of Biomedical Optics, 2014, 19, 118001.   | 1.4 | 5         |
| 388 | Use of Low-Level Laser Therapy (808 nm) to Muscle Fatigue Resistance: A Randomized Double-Blind Crossover Trial. Photomedicine and Laser Surgery, 2014, 32, 678-685.   | 2.1 | 41        |
| 389 | Effect of Low Power Laser Irradiation on the Ability of Cell Growth and Myogenic Differentiation of Myoblasts Cultured <i>In Vitro </i> International Journal of Photoenergy, 2014, 2014, 1-8.   | 1.4 | 0         |
| 390 | Photobiomodulation for Cobalt Chloride-Induced Hypoxic Damage of RF/6A Cells by 670 nm Light-Emitting Diode Irradiation. International Journal of Photoenergy, 2014, 2014, 1-5.  | 1.4 | 1         |
| 391 | Pre-Conditioning with Low-Level Laser (Light) Therapy: Light before the Storm. Dose-Response, 2014, 12, dose-response.1.   | 0.7 | 60        |
| 392 | Association phenothiazine and laser on growth of <i> C. tropicalis &lt; /i &gt; fluconazole-resistant. Proceedings of SPIE, 2014, , .</i>  | 0.8 | 0         |
| 393 | Cancer Phototherapy <i>via</i> Selective Photoinactivation of Respiratory Chain Oxidase to Trigger a Fatal Superoxide Anion Burst. Antioxidants and Redox Signaling, 2014, 20, 733-746.  | 2.5 | 85        |
| 394 | Expression of genes in normal fibroblast cells (WS1) in response to irradiation at 660nm. Journal of Photochemistry and Photobiology B: Biology, 2014, 130, 146-152.   | 1.7 | 48        |
| 395 | Low-level laser therapy promotes proliferation and invasion of oral squamous cell carcinoma cells.<br>Lasers in Medical Science, 2014, 29, 1385-95.  | 1.0 | 45        |
| 396 | Low-level laser irradiation stimulates tenocyte proliferation in association with increased NO synthesis and upregulation of PCNA and cyclins. Lasers in Medical Science, 2014, 29, 1377-1384.   | 1.0 | 28        |
| 397 | Molecular action mechanisms of solar infrared radiation and heat on human skin. Ageing Research Reviews, 2014, 16, 1-11.   | 5.0 | 111       |
| 398 | Helium-Neon Laser Irradiation Promotes the Proliferation and Migration of Human Epidermal Stem Cells <i>In Vitro</i> : Proposed Mechanism for Enhanced Wound Re-epithelialization. Photomedicine and Laser Surgery, 2014, 32, 219-225.     | 2.1 | 49        |
| 399 | Evaluating the effect of low-level laser therapy on healing of tentomized Achilles tendon in streptozotocin-induced diabetic rats by light microscopical and gene expression examinations. Lasers in Medical Science, 2014, 29, 1495-1503. | 1.0 | 16        |
| 400 | Low-Level Light Therapy Induces Mucosal Healing in a Murine Model of Dextran-Sodium-Sulfate Induced Colitis. Photomedicine and Laser Surgery, 2014, 32, 450-457.   | 2.1 | 8         |
| 401 | Pulsed infrared radiation excites cultured neonatal spiral and vestibular ganglion neurons by modulating mitochondrial calcium cycling. Journal of Neurophysiology, 2014, 112, 1246-1255.  | 0.9 | 46        |

| #   | Article   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 402 | Evaluating the effectiveness of low level laser and cupping on low back pain by checking the plasma cortisol level., $2014$ , , .   |     | 4         |
| 403 | Infrared LED light therapy influences the expression of fibronectin and tenascin in skin wounds of malnourished ratsâ€"A preliminary study. Acta Histochemica, 2014, 116, 1185-1191.  | 0.9 | 3         |
| 404 | Absorption of monochromatic and narrow band radiation in the visible and near IR by both mitochondrial and non-mitochondrial photoacceptors results in photobiomodulation. Journal of Photochemistry and Photobiology B: Biology, 2014, 140, 344-358. | 1.7 | 201       |
| 405 | Evaluation of the photobiomodulation in L929 cell culture. Experimental Biology and Medicine, 2014, 239, 1638-1643.   | 1.1 | 2         |
| 406 | Effects of 660- and 980-nm low-level laser therapy on neuropathic pain relief following chronic constriction injury in rat sciatic nerve. Lasers in Medical Science, 2014, 29, 1593-1598.   | 1.0 | 50        |
| 407 | The effect of near-infrared MLS laser radiation on cell membrane structure and radical generation.<br>Lasers in Medical Science, 2014, 29, 1663-1668.   | 1.0 | 22        |
| 408 | Effects of laser irradiation (670-nm InGaP and 830-nm GaAlAs) on burn of second-degree in rats. Lasers in Medical Science, 2014, 29, 1685-1693.   | 1.0 | 33        |
| 409 | The growth of human scalp hair in females using visible red light laser and LED sources. Lasers in Surgery and Medicine, 2014, 46, 601-607.   | 1.1 | 92        |
| 410 | Effect of near-infrared light exposure on mitochondrial signaling in C2C12 muscle cells. Mitochondrion, 2014, 14, 42-48.  | 1.6 | 27        |
| 411 | Targeting mitochondrial dysfunction as in aging and glaucoma. Drug Discovery Today, 2014, 19, 1613-1622.  | 3.2 | 51        |
| 412 | Effect of red and near-infrared wavelengths on low-level laser (light) therapy-induced healing of partial-thickness dermal abrasion in mice. Lasers in Medical Science, 2014, 29, 257-265.  | 1.0 | 120       |
| 413 | Evaluation of laser photobiomodulation (λ 780 nm) on repair of dental replantation in rats. , 2014, , .   |     | 0         |
| 414 | Therapeutic and diagnostic set for irradiation the cell lines in low level laser therapy. , 2014, , .   |     | 1         |
| 415 | Conventional podiatric intervention and phototherapy in the treatment of diabetic ulcers. Seminars in Vascular Surgery, 2015, 28, 172-183.  | 1.1 | 11        |
| 416 | Treatment with near-infrared radiation promotes apoptosis in pancreatic cancer cells. Oncology Letters, 2015, 10, 1836-1840.  | 0.8 | 9         |
| 417 | Effects of He–Ne laser on <i>Daphnia magna</i> Straus manifested in subsequent generations. Laser Physics Letters, 2015, 12, 115601.  | 0.6 | 6         |
| 418 | Neurite growth acceleration of adult Dorsal Root Ganglion neurons illuminated by low-level Light Emitting Diode light at 645 nm. Journal of Biophotonics, 2015, 8, 480-488.   | 1.1 | 14        |
| 419 | Effect of 808Ânm Diode Laser on Swimming Behavior, Food Vacuole Formation and Endogenous <scp>ATP</scp> Production of <i>Paramecium primaurelia</i> (Protozoa). Photochemistry and Photobiology, 2015, 91, 1150-1155.                                 | 1.3 | 22        |

| #   | Article   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 420 | Low-intensity red and infrared laser effects at high fluences on Escherichia coli cultures. Brazilian Journal of Medical and Biological Research, 2015, 48, 945-952.                          | 0.7 | 12        |
| 421 | Reduction of joint nociception induced by formalin in rats treated ith low level laser therapy 670 or 830 nm. Medicina, 2015, 48, 533-538.  | 0.0 | 0         |
| 422 | Nucleotide excision repair pathway assessment in DNA exposed to low-intensity red and infrared lasers. Brazilian Journal of Medical and Biological Research, 2015, 48, 929-938.               | 0.7 | 6         |
| 423 | Object recognition test for studying cognitive impairments in animal models of Alzheimer s disease. Frontiers in Bioscience - Scholar, 2015, 7, 10-29.  | 0.8 | 25        |
| 424 | Neuroplastic effects of transcranial near-infrared stimulation (tNIRS) on the motor cortex. Frontiers in Behavioral Neuroscience, 2015, 9, 147.   | 1.0 | 20        |
| 425 | Tissue Responses to Postoperative Laser Therapy in Diabetic Rats Submitted to Excisional Wounds. PLoS ONE, 2015, 10, e0122042.  | 1.1 | 22        |
| 426 | Red Light Combined with Blue Light Irradiation Regulates Proliferation and Apoptosis in Skin Keratinocytes in Combination with Low Concentrations of Curcumin. PLoS ONE, 2015, 10, e0138754.  | 1.1 | 44        |
| 427 | Adjunctive 830 nm light-emitting diode therapy can improve the results following aesthetic procedures. Laser Therapy, 2015, 24, 277-289.  | 0.8 | 33        |
| 428 | Laser Phototherapy (660 nm) Can Be Beneficial for Reducing Gingival Inflammation in Prosthodontics. Case Reports in Dentistry, 2015, 2015, 1-6.   | 0.2 | 6         |
| 429 | Modulation of Extracellular ATP Content of Mast Cells and DRG Neurons by Irradiation: Studies on Underlying Mechanism of Low-Level-Laser Therapy. Mediators of Inflammation, 2015, 2015, 1-9. | 1.4 | 19        |
| 430 | Minimally Invasive Techniques to Accelerate the Orthodontic Tooth Movement: A Systematic Review of Animal Studies. BioMed Research International, 2015, 2015, 1-10.                           | 0.9 | 18        |
| 431 | Effect of 660 nm Light-Emitting Diode on the Wound Healing in Fibroblast-Like Cell Lines. International Journal of Photoenergy, 2015, 2015, 1-9.  | 1.4 | 6         |
| 432 | Red and NIR light dosimetry in the human deep brain. Physics in Medicine and Biology, 2015, 60, 2921-2937.  | 1.6 | 73        |
| 433 | The thermal impact of phototherapy with concurrent super-pulsed lasers and red and infrared LEDs on human skin. Lasers in Medical Science, 2015, 30, 1575-1581.                               | 1.0 | 41        |
| 434 | Red/near-infrared light-emitting diode therapy for traumatic brain injury. Proceedings of SPIE, 2015, , .   | 0.8 | 1         |
| 435 | Impact of blue LED irradiation on proliferation and gene expression of cultured human keratinocytes. Proceedings of SPIE, 2015, , .   | 0.8 | 6         |
| 436 | Optoelectronic set for measuring reflectance spectrum of living human skin., 2015,,.  |     | 0         |
| 437 | Far red/near infrared light-induced cardioprotection under normal and diabetic conditions. , 2015, , .  |     | 1         |

| #   | Article   | IF  | Citations |
|-----|---|-----|-----------|
| 438 | Low-Level Laser Therapy in odontostomatologia: istruzioni per l'uso. Dental Cadmos, 2015, 83, 457-469.  | 0.0 | 0         |
| 439 | Effects of 915 nm GaAs diode laser on mitochondria of human dermal fibroblasts: analysis with confocal microscopy. Lasers in Medical Science, 2015, 30, 375-381.  | 1.0 | 17        |
| 440 | The effects of low-level laser therapy on orthodontically induced root resorption. Lasers in Medical Science, 2015, 30, 2067-2076.  | 1.0 | 16        |
| 441 | 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. | 0.6 | 33        |
| 442 | A randomized controlled study for the treatment of acne vulgaris using high-intensity 414 nm solid state diode arrays. Journal of Cosmetic and Laser Therapy, 2015, 17, 170-176.  | 0.3 | 28        |
| 443 | <i>Paramecium:</i> A Promising Non-Animal Bioassay to Study the Effect of 808 nm Infrared Diode Laser Photobiomodulation. Photomedicine and Laser Surgery, 2015, 33, 35-40.   | 2.1 | 25        |
| 445 | Effect of photobiomodulation on osseointegration and bone—A review. Journal of Laser Applications, 2015, 27, 012003.  | 0.8 | 1         |
| 446 | Low-level laser therapy as an antimicrobial and antibiofilm technology and its relevance to wound healing. Future Microbiology, 2015, 10, 255-272.  | 1.0 | 40        |
| 447 | 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.   | 1.0 | 46        |
| 448 | 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.  | 1.0 | 78        |
| 450 | Photomodulation of Proliferation and Differentiation of Stem Cells By the Visible and Infrared Light. Photomedicine and Laser Surgery, 2015, 33, 164-174.   | 2.1 | 27        |
| 451 | Near-Infrared Light Therapy to Attenuate Strength Loss After Strenuous Resistance Exercise. Journal of Athletic Training, 2015, 50, 45-50.  | 0.9 | 25        |
| 452 | Histopathological Analysis of UVB and IR Interaction in Rat Skin. Photochemistry and Photobiology, 2015, 91, 895-900.   | 1.3 | 3         |
| 453 | Low-intensity infrared laser effects on zymosan-induced articular inflammatory response. Proceedings of SPIE, 2015, , .   | 0.8 | 1         |
| 454 | Laser therapy on points of acupuncture: Are there benefits in dentistry?. Journal of Photochemistry and Photobiology B: Biology, 2015, 151, 76-82.  | 1.7 | 17        |
| 455 | Method for Correction of Consequences of Radiation-Induced Heart Disease using Low-Intensity Electromagnetic Emission under Experimental Conditions. Bulletin of Experimental Biology and Medicine, 2015, 159, 103-106.               | 0.3 | 8         |
| 456 | LED 590nm photomodulation reduces UVA-induced metalloproteinase-1 expression via upregulation of antioxidant enzyme catalase. Journal of Dermatological Science, 2015, 78, 125-132.   | 1.0 | 27        |
| 457 | Effectiveness of antimicrobial photodynamic therapy on <i>staphylococcusaureus</i> vi>aureusphenothiazinium dye with red laser. Proceedings of SPIE, 2015, , .  | 0.8 | O         |

| #   | Article  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 458 | Low level light in combination with metabolic modulators for effective therapy., 2015,,.   |     | 1         |
| 459 | Combination of low level light therapy and nitrosyl-cobinamide accelerates wound healing. Journal of Biomedical Optics, 2015, 20, 051022.  | 1.4 | 17        |
| 460 | Low-Level Light in Combination with Metabolic Modulators for Effective Therapy of Injured Brain. Journal of Cerebral Blood Flow and Metabolism, 2015, 35, 1435-1444.   | 2.4 | 59        |
| 461 | Lowâ€kevel 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.            | 1.3 | 136       |
| 462 | Near infrared radiation protects against oxygen-glucose deprivation-induced neurotoxicity by down-regulating neuronal nitric oxide synthase (nNOS) activity in vitro. Metabolic Brain Disease, 2015, 30, 829-837.          | 1.4 | 13        |
| 463 | Low-level lasers affect <i>Escherichia coli</i> cultures in hyperosmotic stress. Laser Physics, 2015, 25, 085602.  | 0.6 | 5         |
| 464 | The effect of light-emitting diode and laser on mandibular growth in rats. Angle Orthodontist, 2015, 85, 233-238.  | 1.1 | 21        |
| 465 | A comparative study of red and blue light-emitting diodes and low-level laser in regeneration of the transected sciatic nerve after an end to end neurorrhaphy in rabbits. Lasers in Medical Science, 2015, 30, 2319-2324. | 1.0 | 24        |
| 466 | LASER versus electromagnetic field in treatment of hemarthrosis in children with hemophilia. Lasers in Medical Science, 2015, 30, 2179-2187.   | 1.0 | 10        |
| 467 | Effect of low-level laser therapy on irradiated parotid glandsâ€"study in mice. Journal of Biomedical Optics, 2015, 20, 108002.  | 1.4 | 10        |
| 468 | Hypoxia and Dark Adaptation in Diabetic Retinopathy: Interactions, Consequences, and Therapy. Current Diabetes Reports, 2015, 15, 118.   | 1.7 | 39        |
| 469 | DNA damage in blood cells exposed to lowâ€level lasers. Lasers in Surgery and Medicine, 2015, 47, 361-368.   | 1.1 | 15        |
| 470 | Red/Infrared LED Unit with Moderate Light Intensity and Low Heat Generation for Personal Phototherapy Applications. Molecular Crystals and Liquid Crystals, 2015, 618, 1-9.  | 0.4 | 3         |
| 471 | Light intensity modulation in phototherapy. Laser Physics, 2015, 25, 045602.   | 0.6 | 5         |
| 472 | Dichromatic laser radiation effects on DNA of <i>Escherichia coli</i> li>and plasmids. Laser Physics, 2015, 25, 045603.  | 0.6 | 5         |
| 473 | Traumatic Brain Injury: A Major Medical Problem That Could Be Treated Using Transcranial, Red/Near-Infrared LED Photobiomodulation. Photomedicine and Laser Surgery, 2015, 33, 443-446.                                    | 2.1 | 37        |
| 474 | Ultraweak photon emission in the brain. Journal of Integrative Neuroscience, 2015, 14, 419-429.  | 0.8 | 38        |
| 475 | Mitochondrial emitted electromagnetic signals mediate retrograde signaling. Medical Hypotheses, 2015, 85, 810-818.   | 0.8 | 9         |

| #   | Article   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 476 | 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. | 1.1 | 54        |
| 477 | Shifting the Light Activation of Metallodrugs to the Red and Near-Infrared Region in Anticancer Phototherapy. Comments on Inorganic Chemistry, 2015, 35, 179-213.                           | 3.0 | 56        |
| 478 | Blue or red: which intravascular laser light has more effects in diabetic patients?. Lasers in Medical Science, 2015, 30, 363-366.  | 1.0 | 24        |
| 479 | Are the mitochondrial respiratory complexes blocked by NO the targets for the laser and LED therapy?. Lasers in Medical Science, 2015, 30, 173-180.   | 1.0 | 20        |
| 480 | Near infrared radiation rescues mitochondrial dysfunction in cortical neurons after oxygen-glucose deprivation. Metabolic Brain Disease, 2015, 30, 491-496.                                 | 1.4 | 22        |
| 481 | The Need for Increased Attention to Low‣evel Laser Therapy as Treatment for Wounds and Ulcers. , 2016, , .  |     | 0         |
| 482 | Photobiomodulation for the treatment of retinal diseases: a review. International Journal of Ophthalmology, 2016, 9, 145-52.  | 0.5 | 54        |
| 483 | Efficacy of 670 nm Light Therapy to Protect against Photoreceptor Cell Death Is Dependent on the Severity of Damage. International Journal of Photoenergy, 2016, 2016, 1-12.                | 1.4 | 6         |
| 484 | 830 nm light-emitting diode (led) phototherapy significantly reduced return-to-play in injured university athletes: a pilot study. Laser Therapy, 2016, 25, 35-42.                          | 0.8 | 20        |
| 485 | Bioestimulación láser en semillas y plantas. Gayana - Botanica, 2016, 73, 132-149.  | 0.3 | 19        |
| 486 | Engineered nanomaterials for biomedicine. , 2016, , 307-328.  |     | 2         |
| 487 | Evaluation of laser phototherapy (λ 780 nm) after dental replantation in rats. Dental Traumatology, 2016, 32, 488-494.  | 0.8 | 11        |
| 488 | Laser biostimulation of wound healing: bioimpedance measurements support histology. Lasers in Medical Science, 2016, 31, 1547-1554.   | 1.0 | 21        |
| 489 | Preâ€conditioning with near infrared photobiomodulation reduces inflammatory cytokines and markers of oxidative stress in cochlear hair cells. Journal of Biophotonics, 2016, 9, 1125-1135. | 1.1 | 33        |
| 490 | Lasers in minimally invasive periodontal and periâ€implant therapy. Periodontology 2000, 2016, 71, 185-212.   | 6.3 | 115       |
| 491 | Effects of Narrowâ€band <scp>lR</scp> â€A and of Waterâ€Filtered Infrared A on Fibroblasts. Photochemistry and Photobiology, 2016, 92, 475-487.   | 1.3 | 7         |
| 492 | Exploring the effects of lowâ€level laser therapy on fibroblasts and tumor cells following gamma radiation exposure. Journal of Biophotonics, 2016, 9, 1157-1166.                           | 1.1 | 19        |
| 493 | Cerebral Perfusion Enhancing Interventions: A New Strategy for the Prevention of Alzheimer Dementia. Brain Pathology, 2016, 26, 618-631.  | 2.1 | 38        |

| #   | Article  | IF  | Citations |
|-----|--|-----|-----------|
| 494 | Red light of the visual spectrum attenuates cell death in culture and retinal ganglion cell death $\langle i \rangle$ in Asitu $\langle i \rangle$ . Acta Ophthalmologica, 2016, 94, e481-91.  | 0.6 | 22        |
| 496 | Chapter 9 Role of Reactive Oxygen Species in Low-Level Laser Therapy. , 2016, , 141-164.   |     | 1         |
| 497 | Chapter 10 Molecular Basis for Photobiomodulation. , 2016, , 165-184.  |     | 2         |
| 498 | Chapter 11 Cytoprotective Effect of Low-Level Light Therapy using LEDs on Neurons. , 2016, , 185-206.  |     | 0         |
| 499 | Chapter 14 Low-Level Laser Therapy and Stem Cells. , 2016, , 253-272.  |     | 0         |
| 500 | Chapter 24 Low-Level Laser (Light) Therapy for the Treatment of Visual System Injury and Disease. , 2016, , 435-452.   |     | 0         |
| 501 | Chapter 30 Emergence of Low-Level Laser (Light) Therapy in Clinical Veterinary Practice., 2016,, 543-558.  |     | 0         |
| 502 | Chapter 7 Mitochondrial Light Absorption and Its Effect on ATP Production. , 2016, , 101-118.  |     | 0         |
| 503 | Chapter 37 Laser Therapy for the Treatment of Radiculopathy. , 2016, , 711-740.  |     | 0         |
| 504 | Transcranial, Red/Near-Infrared Light-Emitting Diode Therapy to Improve Cognition in Chronic Traumatic Brain Injury. Photomedicine and Laser Surgery, 2016, 34, 610-626.   | 2.1 | 69        |
| 505 | Transcranial Low-Level Laser (Light) Therapy for Brain Injury. Photomedicine and Laser Surgery, 2016, 34, 587-598.   | 2.1 | 61        |
| 506 | Chapter 1 What is Low-Level Laser (Light) Therapy?. , 2016, , 1-16.  |     | 3         |
| 507 | Semiconductor lasers vs LEDs in diagnostic and therapeutic medicine. , 2016, , .   |     | 1         |
| 508 | Effects of low-level laser exposure on calcium channels and intracellular release in cultured astrocytes. , $2016, $ , .   |     | 0         |
| 509 | Comparative assessment of phototherapy protocols for reduction of oxidative stress in partially transected spinal cord slices undergoing secondary degeneration. BMC Neuroscience, 2016, 17, 21.   | 0.8 | 6         |
| 510 | Effect of Low-Power Laser (LPL) and Light-Emitting Diode (LED) on Inflammatory Response in Burn Wound Healing. Inflammation, 2016, 39, 1395-1404.  | 1.7 | 56        |
| 511 | Low-Level Laser Therapy Promoted Aggressive Proliferation and Angiogenesis Through Decreasing of Transforming Growth Factor- $\hat{1}^21$ and Increasing of Akt/Hypoxia Inducible Factor- $1\hat{1}^\pm$ in Anaplastic Thyroid Cancer. Photomedicine and Laser Surgery, 2016, 34, 229-235. | 2.1 | 52        |
| 512 | Light-emitting diode therapy (LEDT) improves functional capacity in rats with heart failure. Lasers in Medical Science, 2016, 31, 937-944.   | 1.0 | 16        |

| #   | Article  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 513 | Glaucoma: Focus on mitochondria in relation to pathogenesis and neuroprotection. European Journal of Pharmacology, 2016, 787, 127-133.   | 1.7 | 76        |
| 514 | 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        |
| 515 | Use of low level laser therapy to control neuropathic pain: A systematic review. Journal of Photochemistry and Photobiology B: Biology, 2016, 164, 36-42.  | 1.7 | 55        |
| 516 | Protective effect of infrared-A radiation against damage induced by UVB radiation in the melan-a cell line. Journal of Photochemistry and Photobiology B: Biology, 2016, 163, 125-132.                                   | 1.7 | 8         |
| 517 | Low-level laser therapy with helium–neon laser improved viability of osteoporotic bone marrow-derived mesenchymal stem cells from ovariectomy-induced osteoporotic rats. Journal of Biomedical Optics, 2016, 21, 098002. | 1.4 | 18        |
| 518 | Photobiomodulation by laser therapy rescued auditory neuropathy induced by ouabain. Neuroscience Letters, 2016, 633, 165-173.  | 1.0 | 17        |
| 519 | Photo-biomodulatory response of low-power laser irradiation on burn tissue repair in mice. Lasers in Medical Science, 2016, 31, 1741-1750.   | 1.0 | 35        |
| 520 | Laser acupuncture causes thermal changes in small intestine meridian pathway. Lasers in Medical Science, 2016, 31, 1645-1649.  | 1.0 | 11        |
| 521 | Long range physical cell-to-cell signalling via mitochondria inside membrane nanotubes: a hypothesis. Theoretical Biology and Medical Modelling, 2016, 13, 16.   | 2.1 | 25        |
| 522 | Photobiomodulation in human muscle tissue: an advantage in sports performance?. Journal of Biophotonics, 2016, 9, 1273-1299.   | 1.1 | 87        |
| 523 | 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        |
| 524 | Low-level laser therapy (904nm) can increase collagen and reduce oxidative and nitrosative stress in diabetic wounded mouse skin. Journal of Photochemistry and Photobiology B: Biology, 2016, 164, 96-102.              | 1.7 | 76        |
| 525 | Inhibition of Autophagy Enhances Curcumin United light irradiation-induced Oxidative Stress and Tumor Growth Suppression in Human Melanoma Cells. Scientific Reports, 2016, 6, 31383.                                    | 1.6 | 30        |
| 526 | The Possible Mechanism of Low-reactive Level Laser Therapy on Infertile Patients. Nippon Laser Igakkaishi, 2016, 37, 98-105.   | 0.0 | 0         |
| 527 | Low level laser therapy reduces acute lung inflammation without impairing lung function. Journal of Biophotonics, 2016, 9, 1199-1207.  | 1.1 | 13        |
| 528 | Effects of photobiomodulation therapy (PBMT) on bovine sperm function. Lasers in Medical Science, 2016, 31, 1245-1250.   | 1.0 | 21        |
| 529 | Retinopathy of Prematurity: Therapeutic Strategies Based on Pathophysiology. Neonatology, 2016, 109, 369-376.  | 0.9 | 59        |
| 530 | Effect of Nd:YAG laser light on post-extractive socket healing in rats treated with zoledronic acid and dexamethasone. , $2016$ , , .  |     | 0         |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 531 | Low Level Light Therapy with Light-Emitting Diodes for the Aging Face. Clinics in Plastic Surgery, 2016, 43, 541-550.  | 0.7 | 34        |
| 532 | Effects of Light-Emitting Diode Therapy on Muscle Hypertrophy, Gene Expression, Performance, Damage, and Delayed-Onset Muscle Soreness. American Journal of Physical Medicine and Rehabilitation, 2016, 95, 746-757.                                     | 0.7 | 26        |
| 533 | Light enhanced bone regeneration in an athymic nude mouse implanted with mesenchymal stem cells embedded in PLGA microspheres. Biomaterials Research, 2016, 20, 4.   | 3.2 | 12        |
| 534 | Photonics of dissolved oxygen molecules. Comparison of the rates of direct and photosensitized excitation of oxygen and reevaluation of the oxygen absorption coefficients. Journal of Photochemistry and Photobiology A: Chemistry, 2016, 329, 167-174. | 2.0 | 24        |
| 535 | Using near infrared light to manage symptoms associated with restless legs syndrome. Physiotherapy Theory and Practice, 2016, 32, 34-44.   | 0.6 | 9         |
| 536 | Phosphene perception is due to the ultra-weak photon emission produced in various parts of the visual system: glutamate in the focus. Reviews in the Neurosciences, 2016, 27, 291-299.   | 1.4 | 9         |
| 537 | Low-intensity red and infrared lasers affect mRNA expression of DNA nucleotide excision repair in skin and muscle tissue. Lasers in Medical Science, 2016, 31, 429-435.  | 1.0 | 16        |
| 538 | Laser stimulation of the acupoint â€~Zusanli' (ST.36) on the radiopharmaceutical biodistribution in Wistar rats. Journal of Biosciences, 2016, 41, 63-68.  | 0.5 | 3         |
| 539 | LLLT for the management of patients with ankylosing spondylitis. Lasers in Medical Science, 2016, 31, 459-469.   | 1.0 | 7         |
| 540 | Blue light inhibits proliferation of melanoma cells. Proceedings of SPIE, 2016, , .  | 0.8 | 2         |
| 541 | Effects of low level laser therapy on inflammatory and angiogenic gene expression during the process of bone healing: A microarray analysis. Journal of Photochemistry and Photobiology B: Biology, 2016, 154, 8-15.                                     | 1.7 | 50        |
| 542 | Near-Infrared Photobiomodulation in Retinal Injury and Disease. Advances in Experimental Medicine and Biology, 2016, 854, 437-441.   | 0.8 | 30        |
| 543 | The effect of laser therapy on the expression of osteocalcin and osteopontin after tooth extraction in rats treated with zoledronate and dexamethasone. Supportive Care in Cancer, 2016, 24, 807-813.  | 1.0 | 26        |
| 544 | Photobiomodulation in oral medicine: a review. Journal of Investigative and Clinical Dentistry, 2016, 7, 114-126.  | 1.8 | 68        |
| 545 | Multi-wavelength thermal-lens spectrometry for high-accuracy measurements of absorptivities and quantum yields of photodegradation of a hemoproteinâ€"lipid complex. Arabian Journal of Chemistry, 2017, 10, 781-791.                                    | 2.3 | 15        |
| 546 | Effects of low-level laser irradiation on human blood lymphocytes in vitro. Lasers in Medical Science, 2017, 32, 405-411.  | 1.0 | 9         |
| 547 | Low-level laser therapy (LLLT) accelerates the sternomastoid muscle regeneration process after myonecrosis due to bupivacaine. Journal of Photochemistry and Photobiology B: Biology, 2017, 168, 30-39.  | 1.7 | 16        |
| 548 | Photobiomodulation (PBM) with 20 W at 640 nm: pre-clinical results and propagation model. , 2017, , .  |     | 0         |

| #   | Article  | IF              | CITATIONS  |
|-----|--|-----------------|------------|
| 549 | Effect of photobiomodulation therapy (808Ânm) in the control of neuropathic pain in mice. Lasers in Medical Science, 2017, 32, 865-872.  | 1.0             | 30         |
| 550 | Nuclear phenotype evaluation in skeletal muscle from <i>Wistar</i> rats exposed to low-level lasers.<br>Laser Physics, 2017, 27, 035601.   | 0.6             | 2          |
| 551 | Penetration Time Profiles for Two Class 3B Lasers in <i>In Situ </i> Stretched. Photomedicine and Laser Surgery, 2017, 35, 546-554.  | 2.1             | 11         |
| 552 | Novel Approach to Treating Androgenetic Alopecia in Females With Photobiomodulation (Low-Level) Tj ETQq $1\ 1$   | 0.784314<br>0.4 | rgBT /Over |
| 553 | Apoptosis induced by low-level laser in polymorphonuclear cells of acute joint inflammation: comparative analysis of two energy densities. Lasers in Medical Science, 2017, 32, 975-983.   | 1.0             | 11         |
| 554 | Susceptibility of Trichophyton mentagrophytes to Visible Light Wavelengths. Advances in Skin and Wound Care, 2017, 30, 218-222.  | 0.5             | 8          |
| 555 | Photostimulation of mitochondria as a treatment for retinal neurodegeneration. Mitochondrion, 2017, 36, 85-95.   | 1.6             | 19         |
| 556 | A Double-Blind, Placebo-Controlled Randomized Evaluation of the Effect of Low-Level Laser Therapy on Venous Leg Ulcers. International Journal of Lower Extremity Wounds, 2017, 16, 29-35.  | 0.6             | 26         |
| 557 | Spectral Remittance and Transmittance of Visible and Infraredâ€A Radiation in Human Skinâ€"Comparison Between ⟨i⟩in vivo⟨/i⟩ Measurements and Model Calculations. Photochemistry and Photobiology, 2017, 93, 1449-1461.          | 1.3             | 19         |
| 558 | The Efficacy and Safety of 660 nm and 411 to 777 nm Light-Emitting Devices for Treating Wrinkles. Dermatologic Surgery, 2017, 43, 371-380.   | 0.4             | 15         |
| 559 | Visual light effects on mitochondria: The potential implications in relation to glaucoma.<br>Mitochondrion, 2017, 36, 29-35.   | 1.6             | 37         |
| 562 | Stimulation by Light. , 2017, , 1-32.  |                 | 0          |
| 563 | Effects of monochromatic infrared phototherapy in patients with diabetic peripheral neuropathy: a systematic review and meta-analysis of randomized controlled trials. Brazilian Journal of Physical Therapy, 2017, 21, 233-243. | 1.1             | 8          |
| 564 | Light-emitting diode modulates carbohydrate metabolism by pancreatic duct regeneration. Lasers in Medical Science, 2017, 32, 1747-1755.  | 1.0             | 12         |
| 565 | Remote tissue conditioning â€" An emerging approach for inducing body-wide protection against diseases of ageing. Ageing Research Reviews, 2017, 37, 69-78.  | 5.0             | 28         |
| 566 | Effects of photobiomodulation therapy on Bothrops moojeni snake-envenomed gastrocnemius of mice using enzymatic biomarkers. Lasers in Medical Science, 2017, 32, 1357-1366.  | 1.0             | 11         |
| 567 | Aging retinal function is improved by near infrared light (670Ânm) that is associated with corrected mitochondrial decline. Neurobiology of Aging, 2017, 52, 66-70.  | 1.5             | 34         |
| 569 | Multimodal vaginal toning for bladder symptoms and quality of life in stress urinary incontinence. International Urogynecology Journal, 2017, 28, 1201-1207.   | 0.7             | 10         |

| #   | Article  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 570 | 3D printing scaffold coupled with low level light therapy for neural tissue regeneration. Biofabrication, 2017, 9, 025002.   | 3.7 | 68        |
| 571 | Histopathological, Microbiological, and Radiographic Analysis of Antimicrobial Photodynamic Therapy for the Treatment of Teeth with Apical Periodontitis: A Study in Rats' Molars. Photomedicine and Laser Surgery, 2017, 35, 364-371.           | 2.1 | 23        |
| 572 | Photobiomodulation of wound healing via visible and infrared laser irradiation. Lasers in Medical Science, 2017, 32, 903-910.  | 1.0 | 43        |
| 573 | GaAs laser therapy reestablishes the morphology of the NMJ and nAChRs after injury due to bupivacaine. Journal of Photochemistry and Photobiology B: Biology, 2017, 167, 256-263.  | 1.7 | 8         |
| 574 | Effect pigments for textile coating: a review of the broad range of advantageous functionalization. Journal of Coatings Technology Research, 2017, 14, 35-55.  | 1.2 | 28        |
| 575 | Low-level laser therapy for carpal tunnel syndrome. The Cochrane Library, 2017, 2017, .  | 1.5 | 18        |
| 576 | Laser–Tissue Interaction. , 2017, , 29-55.   |     | 5         |
| 577 | Improving mitochondrial function significantly reduces metabolic, visual, motor and cognitive decline in aged Drosophila melanogaster. Neurobiology of Aging, 2017, 60, 34-43.   | 1.5 | 33        |
| 578 | Photobiomodulation and Other Light Stimulation Procedures. , 2017, , 97-129.   |     | 7         |
| 579 | Antinociceptive effects of lowâ€level laser therapy at 3 and 8 j/cm <sup>2</sup> in a rat model of postoperative pain: possible role of endogenous Opioids. Lasers in Surgery and Medicine, 2017, 49, 844-851.                                   | 1.1 | 25        |
| 580 | Application of phototherapy for the healing of the navels of neonatal dairy calves. Lasers in Medical Science, 2017, 32, 1579-1586.  | 1.0 | 4         |
| 581 | Short-pulse neodymium:yttrium–aluminium garnet (Nd:YAC 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         |
| 582 | Acceptance and efficiency of anesthesia by photobiomodulation therapy during conventional cavity preparation in permanent teeth: a pilot randomized crossover clinical study. Lasers in Dental Science, 2017, 1, 65-71.                          | 0.3 | 8         |
| 583 | Effect of Low-Level Laser Therapy on Bone Regeneration During Osseointegration and Bone Graft. Photomedicine and Laser Surgery, 2017, 35, 649-658.   | 2.1 | 21        |
| 584 | Diffuse correlation spectroscopy (DCS) study of blood flow changes during low level laser therapy (LLLT): a preliminary report. , 2017, , .  |     | 1         |
| 585 | An in vivo photodynamic therapy with diode laser to cell activation of kidney dysfunction. Journal of Physics: Conference Series, 2017, 853, 012038.   | 0.3 | 11        |
| 586 | Methylene blue mediated photobiomodulation on human osteoblast cells. Lasers in Medical Science, 2017, 32, 1847-1855.  | 1.0 | 31        |
| 587 | Effect of low-level laser on diabetic oral wound healing. Egyptian Journal of Oral & Maxillofacial Surgery, 2017, 8, 8-12.   | 0.0 | 0         |

| #   | Article  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 588 | In vitro studies to evaluate the effect of varying culture conditions and IPL fluencies on tenocyte activities. Lasers in Medical Science, 2017, 32, 1561-1570.  | 1.0 | 4         |
| 589 | Pulse frequency dependency of photobiomodulation on the bioenergetic functions of human dental pulp stem cells. Scientific Reports, 2017, 7, 15927.  | 1.6 | 35        |
| 590 | White light emitting diode suppresses proliferation and induces apoptosis in hippocampal neuron cells through mitochondrial cytochrome c oxydase-mediated IGF-1 and TNF- $\hat{l}_{\pm}$ pathways. Free Radical Biology and Medicine, 2017, 113, 413-423.      | 1.3 | 15        |
| 591 | Near infra-red light attenuates corneal endothelial cell dysfunction in situ and inÂvitro. Experimental Eye Research, 2017, 161, 106-115.  | 1.2 | 12        |
| 592 | Low-level lasers alter mRNA levels from traditional reference genes used in breast cancer cells. Laser Physics, 2017, 27, 075601.  | 0.6 | 2         |
| 593 | A novel management of streptococcal pharyngotonsillar infections by laser-activated silver nanoparticles and methylene blue conjugate, inÂvitro study. International Journal of Pediatric Otorhinolaryngology, 2017, 100, 114-118.                             | 0.4 | 0         |
| 594 | Possible role of biochemiluminescent photons for lysergic acid diethylamide (LSD)-induced phosphenes and visual hallucinations. Reviews in the Neurosciences, 2017, 28, 77-86.   | 1.4 | 3         |
| 595 | Infrared Radiation: Mechanisms, Implications, and Protection. , 2017, , 795-802.   |     | 0         |
| 596 | Infrared A-Induced Skin Aging. , 2017, , 695-700.  |     | 0         |
| 597 | Effect of Low-Level Laser Therapy on Relapse of Rotated Teeth: A Systematic Review of Human and Animal Study. Photomedicine and Laser Surgery, 2017, 35, 3-11.   | 2.1 | 4         |
| 598 | Effectiveness of antimicrobial photodynamic therapy (AmPDT) on Staphylococcus aureus using phenothiazine compound with red laser. Lasers in Medical Science, 2017, 32, 29-34.  | 1.0 | 27        |
| 599 | The role of histamine in the regulation of the viability, proliferation and transforming growth factor $\hat{l}^21$ secretion of rat wound fibroblasts. Pharmacological Reports, 2017, 69, 314-321.  | 1.5 | 12        |
| 600 | Photomodification of glutathione S-Transferase activity by low-intensity light against various stress factors. Biophysics (Russian Federation), 2017, 62, 705-707.   | 0.2 | 3         |
| 601 | A Comparative Study of 660 nm Low-Level Laser and Light Emitted Diode in Proliferative Effects of Fibroblast Cells. Journal of Lasers in Medical Sciences, 2017, 8, S46-S50.   | 0.4 | 12        |
| 602 | Intense pulsed light for evaporative dry eye disease. Clinical Ophthalmology, 2017, Volume 11, 1167-1173.  | 0.9 | 85        |
| 603 | Clinical Effects of Laser Acupuncture plus Chinese Cupping on the Pain and Plasma Cortisol Levels in Patients with Chronic Nonspecific Lower Back Pain: A Randomized Controlled Trial. Evidence-based Complementary and Alternative Medicine, 2017, 2017, 1-7. | 0.5 | 19        |
| 604 | Low-intensity laser efficacy in postoperative extraction of third molars. Rgo, 2017, 65, 13-19.  | 0.2 | 8         |
| 605 | Cosmetic Procedures in the Treatment of Alopecia. , 0, , .   |     | 1         |

| #   | Article   | IF         | CITATIONS      |
|-----|---|------------|----------------|
| 606 | Low level laser therapy (Photobiomodulation therapy) for breast cancer-related lymphedema: a systematic review. BMC Cancer, 2017, 17, 833.  | 1.1        | 76             |
| 607 | Photobiological Basics and Clinical Indications of Phototherapy for Skin Rejuvenation. , 2017, , .  |            | 7              |
| 608 | Iontophoresis, Ultrasound, Phonophoresis, and Laser and Light Therapy., 2017, , 73-80.  |            | 0              |
| 609 | Use of electroanalgesia and laser therapies as alternatives to opioids for acute and chronic pain management. F1000Research, 2017, 6, 2161.   | 0.8        | 16             |
| 610 | 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. | 1.0        | 19             |
| 611 | Inhibitory modulation of cytochrome c oxidase activity with specific near-infrared light wavelengths attenuates brain ischemia/reperfusion injury. Scientific Reports, 2018, 8, 3481.   | 1.6        | 62             |
| 612 | Effect of 660Ânm visible red light on cell proliferation and viability in diabetic models in vitro under stressed conditions. Lasers in Medical Science, 2018, 33, 1085-1093.   | 1.0        | 29             |
| 613 | Recent Advances in Orthodontic Retention Methods: A Review article. Journal of the World Federation of Orthodontists, 2018, 7, 6-12.  | 0.9        | 7              |
| 614 | The evolution of artificial light actuators in living systems: from planar to nanostructured interfaces. Chemical Society Reviews, 2018, 47, 4757-4780.   | 18.7       | 70             |
| 615 | Effects of 915Ânm laser irradiation on human osteoblasts: a preliminary in vitro study. Lasers in Medical Science, 2018, 33, 1189-1195.   | 1.0        | 10             |
| 616 | 670nm light treatment following retinal injury modulates MÃ $\frac{1}{4}$ ller cell gliosis: Evidence from in vivo and in vitro stress models. Experimental Eye Research, 2018, 169, 1-12.  | 1.2        | 18             |
| 617 | Time Response of Photobiomodulation Therapy on Muscular Fatigue in Humans. Journal of Strength and Conditioning Research, 2018, 32, 3285-3293.  | 1.0        | 30             |
| 618 | Comparison of Photobiomodulation and Anti-Inflammatory Drugs on Tissue Repair on Collagenase-Induced Achilles Tendon Inflammation in Rats. Photomedicine and Laser Surgery, 2018, 36, 137-145.  | 2.1        | 22             |
| 619 | Photostimulation of osteogenic differentiation on silk scaffolds by plasma arc light source. Lasers in Medical Science, 2018, 33, 785-794.  | 1.0        | 8              |
| 620 | Photobiomodulation with red lightâ€emitting diodes accelerates hepatocyte proliferation through reactive oxygen species/extracellular signalâ€regulated kinase pathway. Hepatology Research, 2018, 48, 926-936.   | 1.8        | 7              |
| 621 | Photobiological effect of Laser or LED light in a thermophilic microbial consortium. Journal of Photochemistry and Photobiology B: Biology, 2018, 181, 115-121.   | 1.7        | 7              |
| 622 | Gross and histologic evaluation of effects of photobiomodulation, silver sulfadiazine, and a topical antimicrobial product on experimentally induced full-thickness skin wounds in green iguanas (Iguana) Tj ETQq0 C  | ) OogBT /C | )vendock 10 Tf |
| 623 | Aging Is a Sticky Business. Photomedicine and Laser Surgery, 2018, 36, 284-286.   | 2.1        | 5              |

| #   | Article  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 624 | Has the time come to include low-level laser photobiomodulation as an adjuvant therapy in the treatment of impaired endometrial receptivity?. Lasers in Medical Science, 2018, 33, 1105-1114.  | 1.0 | 8         |
| 625 | The effect of low-level laser therapy on orthodontically induced root resorption: a pilot double blind randomized controlled trial. European Journal of Orthodontics, 2018, 40, 317-325.   | 1.1 | 24        |
| 626 | Treatment of drug-resistant fibromyalgia symptoms using high-intensity laser therapy: a case-based review. Rheumatology International, 2018, 38, 517-523.  | 1.5 | 14        |
| 627 | Dose-response effect of photobiomodulation therapy on neuromuscular economy during submaximal running. Lasers in Medical Science, 2018, 33, 329-336.   | 1.0 | 23        |
| 628 | Photobiomodulation therapy for androgenetic alopecia: A clinician's guide to home-use devices cleared by the Federal Drug Administration. Journal of Cosmetic and Laser Therapy, 2018, 20, 159-167.  | 0.3 | 22        |
| 629 | Light-emitting diode 585 nm photomodulation inhibiting melanin synthesis and inducing autophagy in human melanocytes. Journal of Dermatological Science, 2018, 89, 11-18.  | 1.0 | 29        |
| 630 | cDNA microarray analysis of human keratinocytes cells of patients submitted to chemoradiotherapy and oral photobiomodulation therapy: pilot study. Lasers in Medical Science, 2018, 33, 11-18.   | 1.0 | 12        |
| 631 | Vibrational spectroscopy of muscular tissue intoxicated by snake venom and exposed to photobiomodulation therapy. Lasers in Medical Science, 2018, 33, 503-512.  | 1.0 | 11        |
| 632 | The effect of polarized light on the organization of collagen secreted by fibroblasts. Lasers in Medical Science, 2018, 33, 539-547.   | 1.0 | 4         |
| 633 | Muscle fiber conduction velocity and EMG amplitude of the upper trapezius muscle in healthy subjects after low-level laser irradiation: a randomized, double-blind, placebo-controlled, crossover study. Lasers in Medical Science, 2018, 33, 737-744. | 1.0 | 4         |
| 634 | Photobiomodulation for traumatic brain injury and stroke. Journal of Neuroscience Research, 2018, 96, 731-743.   | 1.3 | 147       |
| 635 | Modification in oxidative processes in muscle tissues exposed to laser- and light-emitting diode radiation. Lasers in Medical Science, 2018, 33, 159-164.  | 1.0 | 4         |
| 636 | Laser phototherapy in acute posttraumatic trismus – Case-series study. Laser Therapy, 2018, 27, 219-226.   | 0.8 | 3         |
| 637 | Phototherapy on Management of Creatine Kinase Activity in General Versus Localized Exercise. Clinical Journal of Sport Medicine, 2018, Publish Ahead of Print, 267-274.  | 0.9 | 21        |
| 638 | Genotoxicity by Electromagnetic Fields. , 2018, , .  |     | 0         |
| 639 | Potential application of photoluminescent filters for use in ophthalmology. Optical Materials, 2018, 86, 505-511.  | 1.7 | 7         |
| 640 | "Let there be light.―Research on phototherapy, light therapy, and photobiomodulation for healing –<br>Alternative therapy becomes mainstream. Complementary Therapies in Medicine, 2018, 41, A1-A6.  | 1.3 | 9         |
| 641 | The Effect of Macroalgal Extracts and Near Infrared Radiation on Germination of Soybean Seedlings: Preliminary Research Results. Open Chemistry, 2018, 16, 1066-1076.  | 1.0 | 13        |

| #   | Article   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 642 | Water Filtered Infrared A and Visible Light (wIRA/VIS) Irradiation Reduces Chlamydia trachomatis Infectivity Independent of Targeted Cytokine Inhibition. Frontiers in Microbiology, 2018, 9, 2757.   | 1.5 | 11        |
| 643 | Current Status of Light-Emitting Diode Phototherapy in Dermatological Practice. , 2018, , 285-337.  |     | 0         |
| 644 | Photobiomodulation and Hair Growth. , 2018, , 367-374.  |     | 1         |
| 645 | Optimization of macrophage isolation from the Persian sturgeon and the Caspian kutum fish: a comparative study. Cytotechnology, 2018, 70, 1643-1654.  | 0.7 | 2         |
| 646 | Laser/Light Application in Dental Procedures. , 2018, , 53-80.  |     | 3         |
| 647 | Wavelength and dose-dependent effects of photobiomodulation therapy on wound healing in rat model. Laser Physics, 2018, 28, 115602.   | 0.6 | 4         |
| 648 | Photobiomodulation therapy is beneficial in reducing muscle fatigue in Brazilian jiu-jitsu athletes and physically active men. Sport Sciences for Health, 2018, 14, 685-691.  | 0.4 | 9         |
| 649 | Influence of wideband visible light with an padding red component on the functional state of mice embryos and embryonic stem cells. Journal of Photochemistry and Photobiology B: Biology, 2018, 188, 77-86.                                      | 1.7 | 17        |
| 650 | Photobiomodulation optimization for spinal cord injury rat phantom model. Translational Neuroscience, 2018, 9, 67-71.   | 0.7 | 12        |
| 651 | Treatment of mucositis with combined 660- and 808-nm-wavelength low-level laser therapy reduced mucositis grade, pain, and use of analgesics: a parallel, single-blind, two-arm controlled study. Lasers in Medical Science, 2018, 33, 1813-1819. | 1.0 | 28        |
| 652 | The temporal sequence of improved mitochondrial function on the dynamics of respiration, mobility, and cognition in aged Drosophila. Neurobiology of Aging, 2018, 70, 140-147.  | 1.5 | 17        |
| 653 | The earthworm Dendrobaena veneta (Annelida): A new experimental-organism for photobiomodulation and wound healing. European Journal of Histochemistry, 2018, 62, 2867.  | 0.6 | 15        |
| 654 | Low-Level Laser Therapy (LLLT) in Diabetes Mellitus for Wound Healing: Surgical Wound, Diabetic Ulcer and Burns. Recent Clinical Techniques, Results, and Research in Wounds, 2018, , 193-211.  | 0.1 | 0         |
| 655 | Photobiomodulation: lasers vs. light emitting diodes?. Photochemical and Photobiological Sciences, 2018, 17, 1003-1017.   | 1.6 | 184       |
| 656 | Effects of transcranial LED therapy on the cognitive rehabilitation for diffuse axonal injury due to severe acute traumatic brain injury: study protocol for a randomized controlled trial. Trials, 2018, 19, 249.                                | 0.7 | 10        |
| 657 | Wavelength-dependence of vasodilation and NO release from S-nitrosothiols and dinitrosyl iron complexes by far red/near infrared light. Archives of Biochemistry and Biophysics, 2018, 649, 47-52.  | 1.4 | 42        |
| 658 | Effect of pulsed high intensity laser therapy on delayed caesarean section healing in diabetic women. Journal of Physical Therapy Science, 2018, 30, 570-575.   | 0.2 | 5         |
| 659 | Efic $	ilde{A}_i$ cia da terapia a laser de baixa intensidade no controle da dor neurop $	ilde{A}_i$ tica em camundongos. Fisioterapia E Pesquisa, 2018, 25, 20-27.   | 0.3 | 3         |

| #   | Article  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 660 | Is Photodynamic Therapy Resistance a Special Case of Photobiomodulation?. Photomedicine and Laser Surgery, 2018, 36, 397-398.  | 2.1 | 2         |
| 661 | Influence of laser irradiation on rumen fluid for biogas production from dairy manure. Energy, 2018, 163, 404-415.   | 4.5 | 21        |
| 662 | Biohydrogen from activated sludge from textile wastewater treated with low doses of gamma radiation. Radiation Physics and Chemistry, 2018, 153, 234-238.  | 1.4 | 5         |
| 663 | Italian consensus conference on guidelines for conservative treatment on lower limb muscle injuries in athlete. BMJ Open Sport and Exercise Medicine, 2018, 4, e000323.  | 1.4 | 28        |
| 664 | Advanced therapies in wound management: cell and tissue based therapies, physical and bio-physical therapies smart and IT based technologies. Journal of Wound Care, 2018, 27, S1-S137.                            | 0.5 | 48        |
| 665 | Low power laser irradiation and human adipose-derived stem cell treatments promote bone regeneration in critical-sized calvarial defects in rats. PLoS ONE, 2018, 13, e0195337.                                    | 1.1 | 32        |
| 666 | Influence of Low-Intensity Electromagnetic Field on Some Biological Parameters of Freshwater Crustaceans Daphnia magna Straus. Inland Water Biology, 2018, 11, 124-128.  | 0.2 | 2         |
| 667 | Outcome of 940-nm diode laser-assisted endodontic treatment of teeth with apical periodontitis: a retrospective study of clinical cases. Lasers in Dental Science, 2018, 2, 169-179.                               | 0.3 | 5         |
| 668 | Effects of Laser Irradiation and Ni Nanoparticles on Biogas Production from Anaerobic Digestion of Slurry. Waste and Biomass Valorization, 2019, 10, 3251-3262.  | 1.8 | 29        |
| 669 | Local and systemic effects of low-level light therapy with light-emitting diodes to improve erythema after fractional ablative skin resurfacing: a controlled study. Lasers in Medical Science, 2019, 34, 343-351. | 1.0 | 5         |
| 670 | Fuzzy controller design for breast cancer treatment based on fractal dimension using breast thermograms. IET Systems Biology, 2019, 13, 1-7.   | 0.8 | 8         |
| 671 | Effect of Photobiomodulation in Rescuing Lipopolysaccharide-Induced Dopaminergic Cell Loss in the Male Sprague–Dawley Rat. Biomolecules, 2019, 9, 381.   | 1.8 | 23        |
| 673 | Photobiomodulation of cultured primary neurons: role of cytochrome c oxidase., 2019,, 21-34.   |     | 1         |
| 674 | Remote photobiomodulation as a neuroprotective interventionâ€"harnessing the indirect effects of photobiomodulation., 2019,, 139-154.  |     | 2         |
| 675 | The Use of Phototherapy for Bell's Palsy. , 2019, , .  |     | 1         |
| 676 | The Conservative Treatment of Muscle Injuries: General Principles. , 2019, , 161-192.  |     | 0         |
| 677 | In vitro tissue culture model validationâ€"the influence of tissue culture components on IPL energy output. Lasers in Medical Science, 2019, 34, 1575-1582.  | 1.0 | 2         |
| 678 | Is photobiomodulation therapy effective in reducing pain caused by toxicities related to head and neck cancer treatment? A systematic review. Supportive Care in Cancer, 2019, 27, 4043-4054.                      | 1.0 | 17        |

| #   | Article  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 679 | Effect of single and multiple doses of low-level laser therapy on viability and proliferation of stem cells from human exfoliated deciduous teeth (SHED). Lasers in Medical Science, 2019, 34, 1917-1924.  | 1.0 | 18        |
| 680 | Photobiomodulation Therapy in Oral Medicine: A Guide for the Practitioner with Focus on New Possible Protocols. Photobiomodulation, Photomedicine, and Laser Surgery, 2019, 37, 669-680.   | 0.7 | 24        |
| 681 | Photobiomodulation with 630 plus 810†nm wavelengths induce more in vitro cell viability of human adipose stem cells than human bone marrow-derived stem cells. Journal of Photochemistry and Photobiology B: Biology, 2019, 201, 111658.                             | 1.7 | 34        |
| 682 | A novel cellular structure in the retina of insectivorous birds. Scientific Reports, 2019, 9, 15230.   | 1.6 | 12        |
| 683 | Alternative Strategies for Stem Cell Osteogenic Differentiation., 0, , .   |     | 0         |
| 685 | Mechanisms of repigmentation induced by photobiomodulation therapy in vitiligo. Experimental Dermatology, 2019, 28, 10-14.   | 1.4 | 19        |
| 686 | The Rationale for Photobiomodulation Therapy of Vaginal Tissue for Treatment of Genitourinary Syndrome of Menopause: An Analysis of Its Mechanism of Action, and Current Clinical Outcomes. Photobiomodulation, Photomedicine, and Laser Surgery, 2019, 37, 395-407. | 0.7 | 10        |
| 687 | Perspective: Water-Filtered Infrared-A-Radiation (wIRA) $\hat{a}$ $\in$ "Novel Treatment Options for Chlamydial Infections?. Frontiers in Microbiology, 2019, 10, 1053.  | 1.5 | 7         |
| 688 | Photothermal versus photodynamic treatment for the inactivation of the bacteria Escherichia coli and Bacillus cereus: An in vitro study. Photodiagnosis and Photodynamic Therapy, 2019, 27, 317-326.   | 1.3 | 22        |
| 689 | The effect of red-to-near-infrared (R/NIR) irradiation on inflammatory processes. International Journal of Radiation Biology, 2019, 95, 1326-1336.   | 1.0 | 32        |
| 690 | Under the spotlight: mechanisms of photobiomodulation concentrating on blue and green light. Photochemical and Photobiological Sciences, 2019, 18, 1877-1909.  | 1.6 | 76        |
| 691 | Low-power lasers on amblyopia. Laser Physics Letters, 2019, 16, 073001.  | 0.6 | 0         |
| 692 | Revisiting the Photon/Cell Interaction Mechanism in Low-Level Light Therapy. Photobiomodulation, Photomedicine, and Laser Surgery, 2019, 37, 336-341.  | 0.7 | 32        |
| 693 | Comparison of Single Versus Multiple Low-Level Laser Applications on Bone Formation in Extraction Socket Healing in Rabbits (Histologic and Histomorphometric Study). Journal of Oral and Maxillofacial Surgery, 2019, 77, 1760-1768.                                | 0.5 | 9         |
| 694 | 1064 nm Nd:YAG laser light affects transmembrane mitochondria respiratory chain complexes. Journal of Biophotonics, 2019, 12, e201900101.  | 1.1 | 29        |
| 696 | Mitochondrial cytochrome c oxidase is not the primary acceptor for near infrared lightâ€"it is mitochondrial bound water: the principles of low-level light therapy. Annals of Translational Medicine, 2019, 7, S13-S13.   | 0.7 | 52        |
| 697 | Changes in local skin temperature after the application of a pulsed Nd:YAG laser to healthy subjects: a prospective crossover controlled trial. Lasers in Medical Science, 2019, 34, 1681-1688.  | 1.0 | 3         |
| 698 | Blue light exacerbates and red light counteracts negative insults to retinal ganglion cells in situ and R28 cells in vitro. Neurochemistry International, 2019, 125, 187-196.  | 1.9 | 30        |

| #   | Article  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 699 | Complex Regional Pain Syndrome (Sudeck Atrophy) Prevention Possibility and Accelerated Recovery in Patients with Distal Radius at the Typical Site Fracture Using Polarized, Polychromatic Light Therapy. Photobiomodulation, Photomedicine, and Laser Surgery, 2019, 37, 233-239. | 0.7 | 7         |
| 700 | Promotion of Tissue Healing and Regeneration with Low-Reactive Level Laser Therapy Using Diode<br>Lasers in Dental Field: Review of Basic and Clinical Research. Nippon Laser Igakkaishi, 2019, 40, 15-29.   | 0.0 | 1         |
| 701 | Tumor safety and side effects of photobiomodulation therapy used for prevention and management of cancer treatment toxicities. A systematic review. Oral Oncology, 2019, 93, 21-28.  | 0.8 | 60        |
| 702 | Photobiomodulation Therapy in Cancer Patients with Mucositis: A Clinical Evaluation. Photobiomodulation, Photomedicine, and Laser Surgery, 2019, 37, 142-150.  | 0.7 | 25        |
| 703 | Photobiomodulation with polychromatic light increases zone 4 survival of transverse rectus abdominis musculocutaneous flap. Lasers in Surgery and Medicine, 2019, 51, 538-549.   | 1.1 | 7         |
| 704 | Systematic Review of Orthodontic Treatment Management with Photobiomodulation Therapy. Photobiomodulation, Photomedicine, and Laser Surgery, 2019, 37, 862-868.  | 0.7 | 35        |
| 705 | <p>Intense Pulsed Light Therapy In The Treatment Of Meibomian Gland Dysfunction: Current Perspectives</p> . Clinical Optometry, 2019, Volume 11, 113-126.  | 0.4 | 48        |
| 706 | Does blue light restore human epidermal barrier function via activation of Opsin during cutaneous wound healing?. Lasers in Surgery and Medicine, 2019, 51, 370-382.   | 1.1 | 85        |
| 707 | Modulation of immune response to inducedâ€arthritis by lowâ€kevel laser therapy. Journal of Biophotonics, 2019, 12, e201800120.  | 1.1 | 7         |
| 708 | A Critical Review on Selected External Physical Cues and Modulation of Cell Behavior: Magnetic<br>Nanoparticles, Non-thermal Plasma and Lasers. Journal of Functional Biomaterials, 2019, 10, 2.   | 1.8 | 16        |
| 709 | Low-level laser therapy for the treatment of androgenetic alopecia in Thai men and women: a 24-week, randomized, double-blind, sham device-controlled trial. Lasers in Medical Science, 2019, 34, 1107-1114.   | 1.0 | 63        |
| 710 | Effects of photostimulation on the catabolic process of xenobiotics. Journal of Photochemistry and Photobiology B: Biology, 2019, 191, 38-43.  | 1.7 | 5         |
| 711 | Photobiomodulation Improved the First Stages of Wound Healing Process After Abdominoplasty: An Experimental, Double-Blinded, Non-randomized Clinical Trial. Aesthetic Plastic Surgery, 2019, 43, 147-154.  | 0.5 | 19        |
| 712 | Low level laser therapy (LLLT) modulates ovarian function in mature female mice. Progress in Biophysics and Molecular Biology, 2019, 145, 10-18.   | 1.4 | 5         |
| 713 | Is there a measure for low power laser dose?. Lasers in Medical Science, 2019, 34, 223-234.  | 1.0 | 8         |
| 714 | Assessing the impact of low level laser therapy (LLLT) on biological systems: a review. International Journal of Radiation Biology, 2019, 95, 120-143.   | 1.0 | 128       |
| 715 | Low-power laser alters mRNA levels from DNA repair genes in acute lung injury induced by sepsis in Wistar rats. Lasers in Medical Science, 2019, 34, 157-168.  | 1.0 | 7         |
| 716 | Short-term evaluation of photobiomodulation therapy on the proliferation and undifferentiated status of dental pulp stem cells. Lasers in Medical Science, 2019, 34, 659-666.  | 1.0 | 42        |

| #   | Article   | IF  | Citations |
|-----|---|-----|-----------|
| 717 | Photobiomodulation via multiple-wavelength radiations. Lasers in Medical Science, 2020, 35, 307-316.  | 1.0 | 16        |
| 718 | Photobiomodulation therapy can change actin filaments of 3T3 mouse fibroblast. Lasers in Medical Science, 2020, 35, 585-597.  | 1.0 | 6         |
| 719 | Photobiomodulation and Mandibular Advancement Modulates Cartilage Thickness and Matrix<br>Deposition in the Mandibular Condyle. Photobiomodulation, Photomedicine, and Laser Surgery, 2020,<br>38, 3-10.  | 0.7 | 5         |
| 720 | Fluorescence enhanced BA-LIFT for single cell detection and isolation. Biofabrication, 2020, 12, 025019.  | 3.7 | 14        |
| 721 | Efficacy and Safety of Intense Pulsed Light in Patients With Meibomian Gland Dysfunction—A Randomized, Double-Masked, Sham-Controlled Clinical Trial. Cornea, 2020, 39, 325-332.  | 0.9 | 54        |
| 722 | Opposite effects of low intensity light of different wavelengths on the planarian regeneration rate. Journal of Photochemistry and Photobiology B: Biology, 2020, 202, 111714.  | 1.7 | 8         |
| 723 | A DOUBLE-MASKED, RANDOMIZED, SHAM-CONTROLLED, SINGLE-CENTER STUDY WITH PHOTOBIOMODULATION FOR THE TREATMENT OF DRY AGE-RELATED MACULAR DEGENERATION. Retina, 2020, 40, 1471-1482.   | 1.0 | 48        |
| 724 | Systematic Review of Post-Surgical Laser-Assisted Oral Soft Tissue Outcomes Using Surgical Wavelengths Outside the 650–1350 nm Optical Window. Photobiomodulation, Photomedicine, and Laser Surgery, 2020, 38, 591-606.   | 0.7 | 5         |
| 725 | Light-based technologies for management of COVID-19 pandemic crisis. Journal of Photochemistry and Photobiology B: Biology, 2020, 212, 111999.  | 1.7 | 61        |
| 726 | Changes in Brain Function and Structure After Self-Administered Home Photobiomodulation Treatment in a Concussion Case. Frontiers in Neurology, 2020, 11, 952.  | 1.1 | 19        |
| 727 | Neurite growth of trigeminal ganglion neurons in vitro with near-infrared light irradiation. Journal of Photochemistry and Photobiology B: Biology, 2020, 210, 111959.  | 1.7 | 10        |
| 728 | The impact of non-toxic blue light (453Ânm) on cellular antioxidative capacity, TGF-β1 signaling, and myofibrogenesis of human skin fibroblasts. Journal of Photochemistry and Photobiology B: Biology, 2020, 209, 111952.  | 1.7 | 18        |
| 729 | Stimulation of the oxygen consumption by photobiomodulation in the chicken embryo chorioallantoic membrane during hypoxia. Translational Biophotonics, 2020, 2, e201900025.   | 1.4 | 0         |
| 730 | A systematic review of the effective laser wavelength range in delivering photobiomodulation for pain relief in active orthodontic treatment. International Orthodontics, 2020, 18, 684-695.  | 0.6 | 6         |
| 731 | Effect of Photobiomodulation Therapy in the 1500 m Run: An Analysis of Performance and Individual Responsiveness. Photobiomodulation, Photomedicine, and Laser Surgery, 2020, 38, 734-742.  | 0.7 | 5         |
| 732 | Time–Response of Photobiomodulation Therapy by Light-Emitting Diodes on Muscle Torque and Fatigue Resistance in Young Men: Randomized, Double-Blind, Crossover and Placebo-Controlled Study. Photobiomodulation, Photomedicine, and Laser Surgery, 2020, 38, 750-757. | 0.7 | 4         |
| 733 | Effect of low-level laser therapy on the inflammatory response in an experimental model of ventilator-induced lung injury. Photochemical and Photobiological Sciences, 2020, 19, 1356-1363.   | 1.6 | 6         |
| 734 | Comparative Effect of Lowâ€intensity Laser Radiation in Green and Red Spectral Regions on Functional Characteristics of Sturgeon Sperm. Photochemistry and Photobiology, 2020, 96, 1294-1313.   | 1.3 | 4         |

| #           | Article  | IF  | Citations |
|-------------|--|-----|-----------|
| 735         | Integrating Ultra-Weak Photon Emission Analysis in Mitochondrial Research. Frontiers in Physiology, 2020, 11, 717.   | 1.3 | 12        |
| 736         | Effects of photo-stimulation with laser or LED on the composition of Xanthan gum produced in media containing distilled water or dialyzed or not produced water by means of Raman spectroscopy. Journal of Photochemistry and Photobiology B: Biology, 2020, 213, 112057.          | 1.7 | 6         |
| 737         | Acute application of photobiomodulation does not bring important gains for the muscular performance and functionality of diabetic individuals. Lasers in Medical Science, 2020, 36, 995-1002.  | 1.0 | 3         |
| 738         | Effects of the Association between Photobiomodulation and Hyaluronic Acid Linked Gold<br>Nanoparticles in Wound Healing. ACS Biomaterials Science and Engineering, 2020, 6, 5132-5144.   | 2.6 | 22        |
| 739         | Environmentally Friendly Methods for Flavonoid Extraction from Plant Material: Impact of Their Operating Conditions on Yield and Antioxidant Properties. Scientific World Journal, The, 2020, 2020, 1-38.  | 0.8 | 96        |
| 740         | Cold Laser Therapy for Acute and Chronic Pain Management. Topics in Pain Management, 2020, 36, 1-10.   | 0.1 | 5         |
| 741         | Experimental Study on Blue Light Interaction with Human Keloid-Derived Fibroblasts. Biomedicines, 2020, 8, 573.  | 1.4 | 18        |
| 743         | Transcranial photobiomodulation attenuates pentylenetetrazoleâ€induced status epilepticus in peripubertal rats. Journal of Biophotonics, 2020, 13, e202000095.   | 1.1 | 16        |
| 744         | <p>Subthreshold Diode Micropulse Laser (SDM) for Persistent Macular Thickening and Limited Visual Acuity After Epiretinal Membrane Peeling</p> . Clinical Ophthalmology, 2020, Volume 14, 1177-1188.   | 0.9 | 4         |
| 745         | Low Intensity Laser Influence on Orthodontic Movement: A Randomized Clinical and Radiographic Trial. The Journal of Indian Orthodontic Society, 2020, 54, 127-134.   | 0.2 | 1         |
| 746         | Successful application of antimicrobial photodynamic and photobiomodulation therapies for controlling osteoradionecrosis and xerostomia after laryngeal carcinoma treatment: A case report of full oral rehabilitation. Photodiagnosis and Photodynamic Therapy, 2020, 31, 101835. | 1.3 | 6         |
| 747         | Promoted Viability and Differentiated Phenotype of Cultured Chondrocytes With Low Level Laser Irradiation Potentiate Efficacious Cells for Therapeutics. Frontiers in Bioengineering and Biotechnology, 2020, 8, 468.  | 2.0 | 3         |
| 748         | Effects of photobiomodulation in relation to HeLa Kyoto tumor cells exposed to ionizing radiation. Journal of Photochemistry and Photobiology B: Biology, 2020, 209, 111936.   | 1.7 | 2         |
| 749         | Photobiomodulation therapy for male infertility. Lasers in Medical Science, 2020, 35, 1671-1680.   | 1.0 | 8         |
| 750         | Low-Level Laser Therapy for Osteoarthritis Treatment in Dogs at Missouri Veterinary Practice. Journal of the American Animal Hospital Association, 2020, 56, 139-145.  | 0.5 | 8         |
| 751         | A Randomized, Controlled Trial on the Effectiveness of Photobiomodulation Therapy and Nonâ€Contact<br>Selectiveâ€Field Radiofrequency on Abdominal Adiposity in Adolescents With Obesity. Lasers in Surgery<br>and Medicine, 2020, 52, 873-881.                                    | 1.1 | 3         |
| 752         | Current Concepts of Laser–Oral Tissue Interaction. Dentistry Journal, 2020, 8, 61.   | 0.9 | 27        |
| <b>7</b> 53 | Use of Intense Pulsed Light to Mitigate Meibomian Gland Dysfunction for Dry Eye Disease.<br>International Journal of Medical Sciences, 2020, 17, 1385-1392.  | 1.1 | 25        |

| #           | ARTICLE  | IF  | CITATIONS |
|-------------|--|-----|-----------|
| 754         | A review of the treatment of male pattern hair loss. Expert Opinion on Pharmacotherapy, 2020, 21, 603-612.   | 0.9 | 83        |
| <b>7</b> 55 | Good, better, best? The effects of polarization on photobiomodulation therapy. Journal of Biophotonics, 2020, 13, e201960230.  | 1.1 | 18        |
| 756         | Phototherapy alters the oncogenic metabolic activity of breast cancer cells. Photodiagnosis and Photodynamic Therapy, 2020, 30, 101695.  | 1.3 | 8         |
| 757         | Angiogenic protein synthesis after photobiomodulation therapy on SHED: a preliminary study. Lasers in Medical Science, 2020, 35, 1909-1918.  | 1.0 | 4         |
| 758         | Can photobiomodulation therapy (PBMT) control blood glucose levels and alter muscle glycogen synthesis?. Journal of Photochemistry and Photobiology B: Biology, 2020, 207, 111877.   | 1.7 | 12        |
| <b>7</b> 59 | Mitochondrial Dysfunction and Parkinson's Disease—Near-Infrared Photobiomodulation as a Potential Therapeutic Strategy. Frontiers in Aging Neuroscience, 2020, 12, 89.   | 1.7 | 31        |
| 760         | Quantum biology in low level light therapy: death of a dogma. Annals of Translational Medicine, 2020, 8, 440-440.  | 0.7 | 23        |
| 761         | Photobiomodulation Mediates Neuroprotection against Blue Light Induced Retinal Photoreceptor Degeneration. International Journal of Molecular Sciences, 2020, 21, 2370.  | 1.8 | 30        |
| 762         | A Pilot Study Evaluating the Effects of 670 nm Photobiomodulation in Healthy Ageing and Age-Related Macular Degeneration. Journal of Clinical Medicine, 2020, 9, 1001.   | 1.0 | 14        |
| 763         | Interaction Between Near-Infrared Radiation and Temozolomide in a Glioblastoma Multiform Cell Line:<br>A Treatment Strategy?. Cellular and Molecular Neurobiology, 2021, 41, 91-104.   | 1.7 | 2         |
| 764         | Cytochrome c oxidaseâ€modulatory nearâ€infrared light penetration into the human brain: Implications for the noninvasive treatment of ischemia/reperfusion injury. IUBMB Life, 2021, 73, 554-567.  | 1.5 | 6         |
| 765         | Near Infrared (NIR) Light Therapy of Eye Diseases: A Review. International Journal of Medical Sciences, 2021, 18, 109-119.   | 1.1 | 31        |
| 766         | Comparative analysis of the light parameters of red and nearâ€infrared diode lasers to induce photobiomodulation on fibroblasts and keratinocytes: An in vitro study. Photodermatology Photoimmunology and Photomedicine, 2021, 37, 253-262. | 0.7 | 15        |
| 767         | Photobiostimulation of anaerobic digestion by laser irradiation and photocatalytic effects of trace metals and nanomaterials on biogas production. International Journal of Energy Research, 2021, 45, 141-150.                              | 2.2 | 14        |
| 768         | Photobiomodulation: The Clinical Applications of Low-Level Light Therapy. Aesthetic Surgery Journal, 2021, 41, 723-738.  | 0.9 | 51        |
| 769         | 670 nm photobiomodulation improves the mitochondrial redox state of diabetic wounds. Quantitative Imaging in Medicine and Surgery, 2021, 11, 107-118.  | 1.1 | 10        |
| 770         | Transcranial Near Infrared Light Stimulations Improve Cognition in Patients with Dementia. , 2021, 12, 954.  |     | 46        |
| 771         | Conjugated anisotropic gold nanoparticles through pterin derivatives for a selective plasmonic photothermal therapy: in vitro studies in HeLa and normal human endocervical cells. Gold Bulletin, 2021, 54, 9-23.                            | 1.1 | 6         |

| #   | Article   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 772 | Effect of 660/850 nm LED on the microcirculation of the foot: neurovascular biphasic reflex. Lasers in Medical Science, 2021, 36, 1883-1889.  | 1.0 | 1         |
| 773 | Activation of oxygen molecules by 1070  nm laser radiation in aerated solvents. Optics Letters, 2021, 46, 556.  | 1.7 | 5         |
| 774 | The biostimulative effectiveness of photobiomodulation therapy application on thawed dental pulp stem cells. Journal of Innovative Optical Health Sciences, 2021, $14$ , .  | 0.5 | 3         |
| 775 | Emerging Therapies in Nonexudative Age-Related Macular Degeneration in 2020. Asia-Pacific Journal of Ophthalmology, 2021, 10, 408-416.  | 1.3 | 14        |
| 776 | The influence of the light spectrum on the growth and development of greenhouse plants on the example of cucumber culture (Cucumissativus L., Cucurbitaceae family). Journal of Physics: Conference Series, 2021, 1862, 012005. | 0.3 | 1         |
| 777 | Effect of continuous wave, quasi-continuous wave and pulsed laser radiation on functional characteristics of fish spermatozoa. Journal of Photochemistry and Photobiology B: Biology, 2021, 216, 112112.                        | 1.7 | 4         |
| 778 | Effects of curing lights on human gingival epithelial cell proliferation. Journal of the American Dental Association, 2021, 152, 260-268.   | 0.7 | 2         |
| 779 | Efficacy of Intense Pulsed Light Treatment for Moderate to Severe Acute Blepharitis or Blepharoconjunctivitis: A Retrospective Case Series. Týrk Oftalmoloji Dergisi, 2021, 51, 89-94.  | 0.4 | 6         |
| 780 | Low-level laser or LED photobiomodulation on oral mucositis in pediatric patients under high doses of methotrexate: prospective, randomized, controlled trial. Supportive Care in Cancer, 2021, 29, 6441-6447.                  | 1.0 | 11        |
| 781 | Photobiomodulation Therapy on Myocardial Infarction in Rats: Transcriptional and Posttranscriptional Implications to Cardiac Remodeling. Lasers in Surgery and Medicine, 2021, 53, 1247-1257.                                   | 1.1 | 9         |
| 782 | Could the photobiomodulation therapy induce angiogenic growth factors expression from dental pulp cells?. Lasers in Medical Science, 2021, 36, 1751-1758.   | 1.0 | 2         |
| 783 | Effect of Photobiomodulation on Restoration of Ionization Radiation-Induced Thyroid Dysfunction Through p53 and Retinoblastoma Signaling. Photobiomodulation, Photomedicine, and Laser Surgery, 2021, 39, 254-264.              | 0.7 | O         |
| 784 | Photobiomodulation combined with adipose-derived stem cells encapsulated in methacrylated gelatin hydrogels enhances in vivo bone regeneration. Lasers in Medical Science, 2022, 37, 595-606.                                   | 1.0 | 13        |
| 785 | Photobiomodulation prevents PTSD-like memory impairments in rats. Molecular Psychiatry, 2021, 26, 6666-6679.  | 4.1 | 17        |
| 787 | Photobiomodulation Response From 660 nm is Different and More Durable Than That From 980 nm.<br>Lasers in Surgery and Medicine, 2021, 53, 1279-1293.  | 1.1 | 11        |
| 788 | Effect of infrared radiation on interfacial water at hydrophilic surfaces. Colloids and Interface Science Communications, 2021, 42, 100397.   | 2.0 | 7         |
| 789 | Transcranial photobiomodulation prevents PTSD-like comorbidities in rats experiencing underwater trauma. Translational Psychiatry, 2021, 11, 270.   | 2.4 | 12        |
| 790 | Photobiomodulation of mineralisation in mesenchymal stem cells. Photochemical and Photobiological Sciences, 2021, 20, 699-714.  | 1.6 | 15        |

| #   | Article  | IF  | Citations |
|-----|--|-----|-----------|
| 791 | Photobiomodulation: A review of the molecular evidence for low level light therapy. Journal of Plastic, Reconstructive and Aesthetic Surgery, 2021, 74, 1050-1060.   | 0.5 | 25        |
| 792 | Photobiomodulation as an Adjunctive Treatment to Physiotherapy for Reduction of Anterior Knee Pain in Combat Soldiers: A Prospective, Doubleâ€Blind, Randomized, Pragmatic, Shamâ€Controlled Trial. Lasers in Surgery and Medicine, 2021, 53, 1376-1385. | 1.1 | 3         |
| 793 | Photobiomodulation has rejuvenating effects on aged bone marrow mesenchymal stem cells. Scientific Reports, 2021, 11, 13067.   | 1.6 | 10        |
| 794 | Dose–effect relationships for PBM in the treatment of Alzheimer's disease. Journal Physics D: Applied Physics, 2021, 54, 353001.   | 1.3 | 8         |
| 795 | Photobiomodulation Regulation as One Promising Therapeutic Approach for Myocardial Infarction. Oxidative Medicine and Cellular Longevity, 2021, 2021, 1-7.   | 1.9 | 11        |
| 796 | Red light stimulates vasodilation through extracellular vesicle trafficking. Journal of Photochemistry and Photobiology B: Biology, 2021, 220, 112212.   | 1.7 | 13        |
| 797 | Current developments of intensive pulsed light treatment for dry eye disease and meibomian gland dysfunction. Expert Review of Ophthalmology, 2021, 16, 401-409.   | 0.3 | 2         |
| 798 | Biomodulatory effect of low intensity laser (830 nm.) in neural model 9L/lacZ. Research, Society and Development, 2021, 10, e11310817025.  | 0.0 | 0         |
| 799 | Impact of photobiomodulation in a patientâ€derived xenograft model of oral squamous cell carcinoma. Oral Diseases, 2023, 29, 547-556.  | 1.5 | 7         |
| 800 | Wearable Flexible Phototherapy Device for Knee Osteoarthritis. Electronics (Switzerland), 2021, 10, 1891.  | 1.8 | 3         |
| 801 | Treatment with LEDs at a wavelength of 642â€nm enhances skin tumor proliferation in a mouse model. Biomedical Optics Express, 2021, 12, 5583.  | 1.5 | 7         |
| 802 | PHENOTYPIC EXPRESSION OF MESENCHYMAL STEM CELLS: COMPARING SELECTIVE TISSUEENGINEERED PHOTOSTIMULATION TECHNIQUE AND CONVENTIONAL LIPOSUCTION TECHNIQUE, 2021, , 154-157.  |     | O         |
| 803 | Effect of different time intervals of light emitting diode therapy application on muscle fatigue. Sport TK, 2021, 10, 214-233.   | 0.3 | 0         |
| 804 | Microglia modulation with 1070-nm light attenuates Aβ burden and cognitive impairment in Alzheimer's disease mouse model. Light: Science and Applications, 2021, 10, 179.  | 7.7 | 46        |
| 805 | Detection of the Fraunhofer band B (690  nm) in the absorption spectra of oxygen in aerated solvents. Journal of the Optical Society of America B: Optical Physics, 2021, 38, 3410.  | 0.9 | 2         |
| 806 | Photobiomodulation for the aging brain. Ageing Research Reviews, 2021, 70, 101415.   | 5.0 | 19        |
| 807 | Transcranial photobiomodulation and thermal stimulation induce distinct topographies of EEG alpha and beta power changes in healthy humans. Scientific Reports, 2021, 11, 18917.   | 1.6 | 26        |
| 808 | Effects of visible light on mechanisms of skin photoaging. Photodermatology Photoimmunology and Photomedicine, 2022, 38, 191-196.  | 0.7 | 34        |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 809 | A flexible, and wireless LED therapy patch for skin wound photomedicine with IoT-connected healthcare application. Flexible and Printed Electronics, 2021, 6, 045002.                                  | 1.5 | 10        |
| 810 | Specific parameters of infrared LED irradiation promote the inhibition of oxidative stress in dental pulp cells. Archives of Oral Biology, 2021, 131, 105273.  | 0.8 | 6         |
| 811 | Stimulation by Light. Reference Series in Biomedical Engineering, 2021, , 273-303.   | 0.1 | 0         |
| 812 | Neuroprotection and Neurocognitive Augmentation by Photobiomodulation. Contemporary Clinical Neuroscience, 2021, , 165-207.  | 0.3 | 5         |
| 813 | Photobiomodulation for the Treatment of Retinal Injury and Retinal Degenerative Diseases. Lecture Notes in Electrical Engineering, 2008, , 39-51.  | 0.3 | 17        |
| 814 | Light-Emitting Diode Phototherapy. , 2014, , 307-327.  |     | 2         |
| 815 | Stimulation by Light., 2017, , 1-32.   |     | 1         |
| 816 | The Skin Extracellular Matrix as a Target of Environmental Exposure: Molecular Mechanisms, Prevention and Repair., 2016,, 101-125.   |     | 2         |
| 817 | Laser/Light Applications in General Surgery. , 2018, , 135-162.  |     | 3         |
| 818 | Infrared A-induced Skin Aging. , 2010, , 421-425.  |     | 1         |
| 819 | Infrarotes Spektrum. , 2012, , 19-54.  |     | 1         |
| 820 | Sensing Mechanisms of the Low-Power Infrared Radiation. NATO Science for Peace and Security Series A: Chemistry and Biology, 2013, , 29-41.  | 0.5 | 2         |
| 821 | Therapeutic Options Under Development for Nonneovascular Age-Related Macular Degeneration and Geographic Atrophy. Drugs and Aging, 2021, 38, 17-27.  | 1.3 | 6         |
| 822 | Elucidating the time course of the transcriptomic response to photobiomodulation through gene co-expression analysis. Journal of Photochemistry and Photobiology B: Biology, 2020, 208, 111916.        | 1.7 | 8         |
| 823 | High Final Energy of Lowâ€Level Gallium Arsenide Laser Therapy Enhances Skeletal Muscle Recovery without a Positive Effect on Collagen Remodeling. Photochemistry and Photobiology, 2015, 91, 957-965. | 1.3 | 22        |
| 824 | EFFECTS OF LIGHT-EMITTING DIODE (LED 640NM) ON HUMAN GINGIVAL FIBROBLASTS: A COMPARATIVE IN VITRO STUDY. ORAL and Implantology, 2017, 10, 151.   | 0.3 | 1         |
| 825 | High-throughput single-cell live imaging of photobiomodulation with multispectral near-infrared lasers in cultured T cells. Journal of Biomedical Optics, 2020, 25, 1.                                 | 1.4 | 10        |
| 827 | Low-energy laser irradiation promotes the survival and cell cycle entry of skeletal muscle satellite cells. Journal of Cell Science, 2002, 115, 1461-1469.   | 1.2 | 164       |

| #   | Article  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 829 | Irradiance plays a significant role in photobiomodulation of B16F10 melanoma cells by increasing reactive oxygen species and inhibiting mitochondrial function. Biomedical Optics Express, 2020, 11, 27. | 1.5 | 21        |
| 830 | Transcranial Red and Near Infrared Light Transmission in a Cadaveric Model. PLoS ONE, 2012, 7, e47460.   | 1.1 | 143       |
| 831 | Treatment with 670 nm Light Up Regulates Cytochrome C Oxidase Expression and Reduces Inflammation in an Age-Related Macular Degeneration Model. PLoS ONE, 2013, 8, e57828.                               | 1.1 | 131       |
| 832 | Effects of Neodymium-Doped Yttrium Aluminium Garnet (Nd:YAG) Laser Irradiation on Bone Metabolism During Tooth Movement. Journal of Lasers in Medical Sciences, 2016, 7, 40-44.                          | 0.4 | 6         |
| 833 | Low-Level Laser Action on Orthodontically Induced Root Resorption: Histological and Histomorphometric Evaluation. Journal of Lasers in Medical Sciences, 2016, 7, 146-151.                               | 0.4 | 10        |
| 834 | A novel mitochondrial signaling pathway activated by visible-to-near infrared radiation.<br>Photochemistry and Photobiology, 2004, 80, 366-72.   | 1.3 | 81        |
| 835 | A Novel Mitochondrial Signaling Pathway Activated by Visible-to-near Infrared Radiation¶. Photochemistry and Photobiology, 2004, 80, 366.  | 1.3 | 137       |
| 836 | The sperm stewing in its own ROSâ€"in the plastic Petri dish. Annals of Translational Medicine, 2017, 5, 366-366.  | 0.7 | 2         |
| 837 | Diamonds are for men, too. Annals of Translational Medicine, 2017, 5, 509-509.   | 0.7 | 3         |
| 838 | Effect of Low-Level Laser Therapy on Proliferation and Collagen Synthesis of Human Fibroblasts in Vitro. Journal of Wound Management and Research, 2018, 14, 1-6.  | 0.1 | 27        |
| 839 | Laser influence to biosystems. Hemijska Industrija, 2015, 69, 433-441.   | 0.3 | 5         |
| 840 | Photobiomodulation as potential novel third line tool for non-invasive treatment of hidradenitis suppurativa. Giornale Italiano Di Dermatologia E Venereologia, 2020, 155, 88-98.                        | 0.8 | 5         |
| 841 | Superluminous Devices Versus Low-Level Laser for Temporomandibular Disorders. Acta Medica Bulgarica, 2018, 45, 11-15.  | 0.0 | 2         |
| 842 | Photobiological Basics of Photomedicine: A Work of Art Still in Progress. Medical Lasers, 2017, 6, 45-57.  | 0.2 | 8         |
| 843 | Heat for wounds - water-filtered infrared-A (wIRA) for wound healing - a review. GMS German Medical Science, 2016, 14, Doc08.  | 2.7 | 16        |
| 844 | Water-filtered infrared-A (wIRA) in acute and chronic wounds. GMS Krankenhaushygiene<br>InterdisziplinĀĦ 2009, 4, Doc12.   | 0.3 | 15        |
| 845 | Efficacy and Tolerability of Phototherapy With Light-Emitting Diodes for Sensitive Skin: A Pilot Study. Frontiers in Medicine, 2020, 7, 35.  | 1.2 | 3         |
| 846 | Assessment of Laser Effects on Skin Rejuvenation. Journal of Lasers in Medical Sciences, 2020, 11, 212-219.  | 0.4 | 29        |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 847 | Evaluation of Efficacy of Low-Level Laser Therapy. Journal of Lasers in Medical Sciences, 2020, 11, 369-380.   | 0.4 | 17        |
| 848 | Effect of Combined Application of Growth Factors and Diode Laser Bio-Stimulation on the Osseo Integration of Dental Implants. Open Access Macedonian Journal of Medical Sciences, 2019, 7, 2520-2527.    | 0.1 | 12        |
| 849 | Neuroimmunomodulatory effects of transcranial laser therapy combined with intravenous tPA administration for acute cerebral ischemic injury. Neural Regeneration Research, 2015, 10, 1186.               | 1.6 | 12        |
| 850 | Beneficial Applications and Deleterious Effects of Near-Infrared from Biological and Medical Perspectives. Optics and Photonics Journal, 2013, 03, 31-39.  | 0.3 | 15        |
| 851 | Laser: Tissue Interaction and Its Application in Clinical Dentistry. International Journal of Laser Dentistry, 2011, 1, 1-8.   | 0.2 | 8         |
| 852 | The Impact of Near-infrared in Plastic Surgery. Plastic Surgery an International Journal, 2013, , 1-13.  | 0.1 | 6         |
| 853 | Impact of near-infrared radiation in dermatology. World Journal of Dermatology, 2012, 1, 30.   | 0.5 | 34        |
| 854 | Policy System of Data Access Control for Web Service. The Journal of the Korea Contents Association, 2008, 8, 25-32.   | 0.0 | 2         |
| 855 | Inhibition of Mycobacterium smegmatis using near-IR and blue light. International Journal of Research in Medical Sciences, 2014, 2, 42.  | 0.0 | 4         |
| 856 | Terapia com laser 670nm no tratamento da DPOC experimental em ratos. ConScientiae Saúde, 2010, 9, 610-617.   | 0.1 | 4         |
| 857 | Review of Low Level Laser Therapy on The Growth of Epiphyseal Plate. The Journal of Pediatrics of Korean Medicine, 2015, 29, 29-38.  | 0.1 | 1         |
| 858 | Bio-modulated mice epithelial endometrial organoids by low-level laser therapy serves as an invitro model for endometrial regeneration. Reproductive Biology, 2021, 21, 100564.                          | 0.9 | 5         |
| 859 | Control of Activity and Metabolism of the Central Nervous System by Photo-Technology. The Review of Laser Engineering, 2007, 35, 453-456.  | 0.0 | 0         |
| 860 | Mechanisms. Lecture Notes in Electrical Engineering, 2008, , 3-9.  | 0.3 | 1         |
| 861 | Activation of IL- $1\hat{l}^2$ , IGF-1 and IGF-2 in Injured Rat Skeletal Muscle by Low Power He-Ne IR Laser and Electrical Stimulation. The Journal of the Korea Contents Association, 2008, 8, 251-262. | 0.0 | 1         |
| 862 | 18 SmoothShapes $\hat{A}^{\text{o}}$ Treatment of Cellulite and Thigh Circumference Reduction: When Less Is More. Basic and Clinical Dermatology, 2010, , 126-135.                                       | 0.1 | 1         |
| 863 | Laser/Light Applications in General Surgery. , 2011, , 539-559.  |     | 0         |
| 864 | Optical Techniques for Future Pacemaker Technology. , 0, , .   |     | 0         |

| #   | Article   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 865 | The Effect of the Red Light on Reactive Oxygen Species Production by Neutrophils in Vitro. Acta Physica Polonica A, 2012, 121, A-57-A-60.   | 0.2 | 0         |
| 866 | Fotobiomodulação experimental na prevenção de enfisema pulmonar. ConScientiae Saúde, 2012, 11, 53-59.   | 0.1 | 0         |
| 867 | Aplicação da Laserterapia no Tratamento de Queimaduras: uma Revisão Sistemática. Revista Brasileira<br>De Terapias E Saúde, 2012, 3, 15-26.   | 0.1 | 0         |
| 868 | Low-Level Laser Therapy (LLLT) on Soft Tissue Healing: A Case Report with Literature Review. Journal of Shaheed Suhrawardy Medical College, 2014, 5, 117-121.   | 0.1 | 0         |
| 869 | Alleviating Effect of LED Irradiation on the Skin Barrier Damage and Inflammation in Hairless Mouse. Han'gug Du'pi Mo'bal Miyong Haghoeji, 2013, 9, 15-22.  | 0.0 | 1         |
| 870 | Effects of Near Infrared light Application Combined with Aerobic Exercise on Excessive Abdominal Fat and Obesity. International Journal of Advanced Science and Technology, 2013, 61, 1-8.                            | 0.3 | 2         |
| 871 | Outer Segments of Retinal Photoreceptors – A Review in the Light of Novel Findings. Annual Research & Review in Biology, 2014, 4, 2553-2565.  | 0.4 | 0         |
| 873 | Cellular Responses by Low-power He-Ne laser Irradiation on Human Lung Cancer Cells. Journal of Nuclear Medicine & Radiation Therapy, 2015, 06, .  | 0.2 | 0         |
| 874 | Infrared A-Induced Skin Aging. , 2015, , 1-7.   |     | 0         |
| 875 | Infrared Radiation: Mechanisms, Implications, and Protection. , 2015, , 1-8.  |     | 0         |
| 877 | Light-Emitting Diode for Acne, Scars, and Photodamaged Skin. Clinical Approaches and Procedures in Cosmetic Dermatology, 2016, , 1-15.  | 0.0 | 0         |
| 878 | Laser irradiation reduces HIV-1 infection in TZM-bl cells. , 2016, , .  |     | 0         |
| 879 | Bedsore Revitalization by- LLLT, Low Level Laser (LED- Ga-Al- As 660) Therapy. Biometrics & Biostatistics International Journal, 2017, 5, .   | 0.2 | 0         |
| 880 | Pulsed high intensity laser versus low intensity laser on healing of full thickness wound in diabetic rats (histological and immunohistochemical study). International Journal of Pharma and Bio Sciences, 2017, 8, . | 0.1 | 2         |
| 881 | Energy Medicine. , 2017, , 393-422.   |     | 0         |
| 882 | Analgesic and Sedative Effects of Blue LED Light in Combination with Infrared LED Irradiation. Journal of US-China Medical Science, 2017, 14, .   | 0.2 | 2         |
| 883 | Light-Emitting Diode for Acne, Scars, and Photodamaged Skin. Clinical Approaches and Procedures in Cosmetic Dermatology, 2018, , 73-87.   | 0.0 | 0         |
| 884 | Optimization of low-level light therapy's illumination parameters for spinal cord injury in a rat model., 2018,,.   |     | 0         |

| #   | Article  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 885 | INFLUENCE OF POLARIZED LIGHT ON VITALITY OF RETINAL GANGLION CELLS IN RATS WITH LOW-TENSION GLAUCOMA. Fiziolohichnyi Zhurnal (Kiev, Ukraine: 1994), 2018, 64, 41-50.   | 0.1 | 0         |
| 886 | Photoactivation of cytochrome ѕoxidase activity in liver mitochondria of Japanese quail by therapeutic doses of blue and red LED irradiation. Patologicheskaia Fiziologiia I Eksperimental'naia Terapiia, 2018, , 25-30.       | 0.1 | O         |
| 887 | The impact of optical radiation of femtosecond duration on human glial cells. , 2018, , .  |     | 0         |
| 888 | Photobiomodulation (Low-Level Laser Therapy). , 2019, , 1221-1224.e1.  |     | O         |
| 890 | Effects of probe parameters on photobiomdulation therapy for spinal cord injury: a numerical algorithm modelling study. , 2019, , .  |     | 0         |
| 891 | Effects of Low-Level Laser Versus Laser Acupuncture in Patients With Knee Osteoarthritis: A Randomized Controlled Trial. Journal of Modern Rehabilitation, 0, , 181-194.   | 0.2 | 1         |
| 892 | Laser irradiation of blood as a method of prevention of oral mucositis. Journal of Modern Oncology, 2019, 21, 62-67.   | 0.1 | 1         |
| 893 | Increase and homogenization of the endogenous production of protoporphyrin IX by photobiomodulation. , 2019, , .   |     | О         |
| 894 | Successful Treatment of Digital Ischemia Following a Carbon Dioxide Laser and Tourniquet for a Digital Procedure With Adjuvant Low-Level Laser Therapy. Journal of Lasers in Medical Sciences, 2019, 10, 254-256.              | 0.4 | 0         |
| 895 | Human keloid cultured fibroblasts irradiated with blue LED light: evidence from an in vitro study. , 2019, , .   |     | 1         |
| 896 | Low-Power Red and Infrared Laser Effects on Cells Deficient in DNA Repair. Journal of Lasers in Medical Sciences, 2019, 10, 157-162.   | 0.4 | 1         |
| 897 | Combined Cisplatin Treatment and Photobiomodulation at High Fluence Induces Cytochrome c Release and Cytomorphologic Alterations in HEp-2 Cells. Open Access Macedonian Journal of Medical Sciences, 2020, 8, 366-373.         | 0.1 | 0         |
| 898 | Cytotoxicity studies of an optoacoustic stimulation strategy for the development of laser-based hearing aids. Journal of Biomedical Optics, 2020, 25, 1.   | 1.4 | 3         |
| 899 | Stimulation and homogenization of the protoporphyrin IX endogenous production by photobiomodulation to increase the potency of photodynamic therapy. Journal of Photochemistry and Photobiology B: Biology, 2021, 225, 112347. | 1.7 | 9         |
| 900 | Comparison Of The Efficacy Of Two Laser Types In Healing Of Full-Thickness Wound: An Experimental Study. Russian Open Medical Journal, 2020, 9, .  | 0.1 | 0         |
| 901 | Assessment of safety of influence of radiation of lengths of waves of 410, 580, and 630 nanometers for skin and a mucous membrane. Russian Journal of Physiotherapy Balneology and Rehabilitation, 2020, 19, 78-82.            | 0.2 | 4         |
| 902 | The Impact of Proteomic Investigations on the Development and Improvement of Skin Laser Therapy: A Review Article. Journal of Lasers in Medical Sciences, 2019, 10, S90-S95.   | 0.4 | 5         |
| 903 | Clinical and microbiological assessment of the results of combined treatment of patients with alveolar osteitis. Clinical Research and Trials, 2020, 6, .  | 0.1 | 0         |

| #   | Article   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 904 | Effect of Light Stimulation on a Thermo-Cellulolytic Bacterial Consortium Used for the Degradation of Cellulose of Green Coconut Shells. Engineering Materials, 2020, , 145-168.  | 0.3 | 0         |
| 905 | Photobiomodulation as a neuroprotective strategy for Parkinson's disease., 2020,, 697-712.  |     | 1         |
| 906 | Biophotonic Therapy Induced Photobiomodulation. , 2020, , 387-402.  |     | 1         |
| 907 | Retinal plasticity in retinopathy of prematurity, and phototherapy prospects. Rossiiskii<br>Oftal'mologicheskii Zhurnal, 2020, 13, 77-84.   | 0.1 | 3         |
| 908 | Photobiomodulation (λ=808nm) and Platelet-Rich Plasma (PRP) for the Treatment of Acute Rheumatoid Arthritis in Wistar Rats. Journal of Lasers in Medical Sciences, 2021, 12, e60-e60.   | 0.4 | 5         |
| 909 | Harnessing the cell's own ability to repair and prevent neurodegenerative disease. SPIE Newsroom, 2008, 2008, 1-3.  | 0.1 | 11        |
| 910 | Photodynamic therapy (PDT) and waterfiltered infrared A (wIRA) in patients with recalcitrant common hand and foot warts. GMS German Medical Science, 2004, 2, Doc08.  | 2.7 | 22        |
| 911 | Influence of water-filtered infrared-A (wIRA) on reduction of local fat and body weight by physical exercise. GMS German Medical Science, 2006, 4, Doc05.   | 2.7 | 10        |
| 912 | Apparent contradiction between negative effects of UV radiation and positive effects of sun exposure. GMS German Medical Science, 2005, 3, Doc01.   | 2.7 | 8         |
| 913 | Improvement of wound healing by water-filtered infrared-A (wIRA) in patients with chronic venous stasis ulcers of the lower legs including evaluation using infrared thermography. GMS German Medical Science, 2008, 6, Doc11.          | 2.7 | 24        |
| 914 | Principles and working mechanisms of water-filtered infrared-A (wIRA) in relation to wound healing. GMS Krankenhaushygiene InterdisziplinĀŖ 2007, 2, Doc54.   | 0.3 | 23        |
| 915 | Near-Infrared Irradiation Nonthermally Induces Long-lasting Vasodilation by Causing Apoptosis of Vascular Smooth Muscle Cells. Eplasty, 2011, 11, e22.  | 0.4 | 11        |
| 916 | Low-level laser (light) therapy (LLLT) in skin: stimulating, healing, restoring. Seminars in Cutaneous Medicine and Surgery, 2013, 32, 41-52.   | 1.6 | 356       |
| 917 | Effect of low level laser therapy on orthodontic tooth movement: a review article. Journal of Dentistry of Tehran University of Medical Sciences, 2013, 10, 264-72.   | 0.4 | 6         |
| 918 | Biological effects of low level laser therapy. Journal of Lasers in Medical Sciences, 2014, 5, 58-62.   | 0.4 | 209       |
| 919 | A mechanism for ultrasound/light-induced biostimulation. Annals of Translational Medicine, 2015, 3, 291.  | 0.7 | 6         |
| 920 | Diode Laser and Periodontal Regeneration-Assisted Management of Implant Complications in Anterior Maxilla. Contemporary Clinical Dentistry, 2018, 9, 114-119.   | 0.2 | 2         |
| 921 | Production and viscosity of Xanthan Gum are increased by LED irradiation of X. campestris cultivated in medium containing produced water of the oil industry. Journal of Photochemistry and Photobiology B: Biology, 2022, 226, 112356. | 1.7 | 9         |

| #   | Article   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 922 | Impact of photobiomodulation therapy on the morphological aspects of submandibular gland submitted to excretory duct ligation and hypothyroidism: an animal study. Lasers in Medical Science, 2022, 37, 2005-2015.                              | 1.0 | 1         |
| 923 | 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        |
| 924 | Combining laser-irradiation and glycerol immersion of skeletal muscles to improve their optical transparency. Optics and Laser Technology, 2022, 148, 107760.   | 2,2 | 7         |
| 925 | Mechanistic approaches to the light-induced neural cell differentiation: Photobiomodulation vs<br>Low-Dose Photodynamic Therapy. Photodiagnosis and Photodynamic Therapy, 2022, 37, 102702.   | 1.3 | 7         |
| 926 | Fotobiomodulação como coadjuvante no tratamento na lesão pulmonar aguda decorrente da sepse. Research, Society and Development, 2020, 9, e5929109024.   | 0.0 | 1         |
| 927 | Photobiomodulation Delivery Parameters in Dentistry: An Evidence-Based Approach.<br>Photobiomodulation, Photomedicine, and Laser Surgery, 2022, 40, 42-50.  | 0.7 | 8         |
| 928 | The influence of delivery power losses and full operating parametry on the effectiveness of diode visible–near infra-red (445–1064Ânm) laser therapy in dentistry—a multi-centre investigation. Lasers in Medical Science, 2022, 37, 2249-2257. | 1.0 | 9         |
| 929 | Reversal of Acquired Prosopagnosia Using Quantitative Electroencephalography-Guided Laser<br>Therapy. Photobiomodulation, Photomedicine, and Laser Surgery, 2022, , .   | 0.7 | 2         |
| 930 | Comparative study on Photobiomodulation between 630 nm and 810 nm LED in diabetic wound healing both <i>in vitro</i> and <i>in vivo</i> Journal of Innovative Optical Health Sciences, 2022, 15, .  | 0.5 | 6         |
| 931 | A Review of Laser Therapy and Low-Intensity Ultrasound for Chronic Pain States. Current Pain and Headache Reports, 2022, 26, 57-63.   | 1.3 | 7         |
| 933 | Photobiomodulation of human gingival fibroblasts with diode laser - A systematic review. Journal of Indian Society of Periodontology, 2022, 26, 5.  | 0.3 | 8         |
| 934 | Kinetics of electron transport chain in isolated mitochondria in response to visible light using resonance Raman spectroscopy. , 2022, , .  |     | 1         |
| 935 | Transcranial photobiomodulation add-on therapy to valproic acid for pentylenetetrazole-induced seizures in peripubertal rats. BMC Complementary Medicine and Therapies, 2022, 22, 81.   | 1.2 | 7         |
| 936 | Optimization of photo-biomodulation therapy for wound healing of diabetic foot ulcers in vitro and in vivo. Biomedical Optics Express, 2022, 13, 2450.  | 1.5 | 9         |
| 937 | Comparative efficacy of low-level laser therapy (LLLT) to TENS and therapeutic ultrasound in management of TMDs: a systematic review & meta-analysis. Cranio - Journal of Craniomandibular Practice, 2022, , 1-10.                              | 0.6 | 3         |
| 938 | Photobiomodulation: Evolution and Adaptation. Photobiomodulation, Photomedicine, and Laser Surgery, 2022, 40, 213-233.  | 0.7 | 10        |
| 939 | Photobiomodulation of Cytochrome c Oxidase by Chronic Transcranial Laser in Young and Aged Brains. Frontiers in Neuroscience, 2022, 16, 818005.   | 1.4 | 20        |
| 940 | Transcranial photobiomodulation (808Ânm) attenuates pentylenetetrazole-induced seizures by suppressing hippocampal neuroinflammation, astrogliosis, and microgliosis in peripubertal rats. Neurophotonics, 2022, 9, 015006.                     | 1.7 | 13        |

| #   | Article  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 941 | An Update on Physical Therapy Adjuncts in Orthopedics. Arthroplasty Today, 2022, 14, 163-169.  | 0.8 | 0         |
| 942 | Effect of Low-Level Laser Therapy on Bacterial Counts of Contaminated Traumatic Wounds in Dogs. Journal of Lasers in Medical Sciences, 2021, 12, e78-e78.  | 0.4 | 4         |
| 943 | Photobiomodulation reduces inflammation but does not influence the hypoxia-inducible factor- $\hat{l}_{\pm}$ in pulp tissue of rats after bleaching. Journal of Applied Oral Science, 2022, 30, e20210559.   | 0.7 | 4         |
| 955 | Photobiomodulation Modulates Interleukin-10 and Interferon Gamma Production by Mononuclear Cells from Healthy Donors and Persons with Multiple Sclerosis. Photobiomodulation, Photomedicine, and Laser Surgery, 2022, 40, 234-244.   | 0.7 | 3         |
| 958 | Diode laser and periodontal regeneration-assisted management of implant complications in anterior maxilla. Contemporary Clinical Dentistry, 2018, 9, 114.  | 0.2 | 3         |
| 959 | Water-Filtered Infrared A Irradiation in Clinical Dermatology. , 2022, , 213-222.  |     | 0         |
| 961 | 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.   | 1.1 | 2         |
| 962 | In Vivo Characterization of a Red Light-Activated Vasodilation: A Photobiomodulation Study. Frontiers in Physiology, 2022, 13, 880158.   | 1.3 | 5         |
| 963 | The additive effects of photobiomodulation and bioactive glasses on enhancing early angiogenesis. Biomedical Materials (Bristol), 2022, 17, 045007.  | 1.7 | 2         |
| 964 | Photobiomodulation Effects on Periodontal Ligament Stem Cells: A Systematic Review of In Vitro Studies. Current Stem Cell Research and Therapy, 2024, 19, 544-558.   | 0.6 | 9         |
| 965 | Enhancement of Frequency-Specific Hemodynamic Power and Functional Connectivity by Transcranial Photobiomodulation in Healthy Humans. Frontiers in Neuroscience, 0, 16, .  | 1.4 | 6         |
| 966 | Mitochondrial Photobiomodulation as a Neurotherapeutic Strategy for Epilepsy. Frontiers in Neurology, $0,13,.$   | 1.1 | 11        |
| 967 | Photobiomodulation associated with lipid nanoparticles and hyaluronic acid accelerate the healing of excisional wounds. Journal of Biomaterials Applications, 2022, 37, 668-682.   | 1.2 | 7         |
| 968 | Superweak biophoton emission: possible biological significance and ways of practical use., 2022,, 3-11.  |     | 0         |
| 969 | Integrative skincare trial of intense pulsed light followed by the phytoâ€corrective mask, phytoâ€corrective gel, and resveratrol <scp>BE</scp> for decreasing postâ€procedure downtime and improving procedure outcomes in patients with rosacea. Journal of Cosmetic Dermatology, 2022, 21, 3759-3767. | 0.8 | 5         |
| 970 | Carotenoids in Human Skin In Vivo: Antioxidant and Photo-Protectant Role against External and Internal Stressors. Antioxidants, 2022, 11, 1451.  | 2.2 | 26        |
| 971 | Photobiomodulation at 830 nm Reduced Nitrite Production by Peripheral Blood Mononuclear Cells Isolated from Multiple Sclerosis Subjects. Photobiomodulation, Photomedicine, and Laser Surgery, 2022, 40, 480-487.  | 0.7 | 1         |
| 972 | The Efficacy and Safety of New-Generation Intense Pulsed Light in the Treatment of Meibomian Gland Dysfunction-Related Dry Eye: A Multicenter, Randomized, Patients-Blind, Parallel-Control, Non-Inferiority Clinical Trial. Ophthalmology and Therapy, 2022, 11, 1895-1912.                             | 1.0 | 8         |

| #   | Article  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 973 | Pharmacodynamic Implications of Transcranial Photobiomodulation and Quantum Physics in Clinical Medicine. , 0, , .   |     | 0         |
| 974 | The Role of Photobiomodulation on Dental-Derived Stem Cells in Regenerative Dentistry: A Comprehensive Systematic Review. Current Stem Cell Research and Therapy, 2024, 19, 559-586.   | 0.6 | 6         |
| 975 | Responses of melanoma cells to photobiomodulation depend on cell pigmentation and light parameters. Journal of Photochemistry and Photobiology B: Biology, 2022, 235, 112567.  | 1.7 | 1         |
| 976 | Two-year Follow-up of Avulsed Teeth Submittted to Laser Therapies: A Case Report. Open Dentistry<br>Journal, 2022, 16, .   | 0.2 | 0         |
| 977 | Photobiomodulation for the treatment of neuroinflammation: A systematic review of controlled laboratory animal studies. Frontiers in Neuroscience, $0, 16, \ldots$   | 1.4 | 14        |
| 978 | Photobiomodulation effects in metalloproteinases expression in zymosan-induced arthritis. Lasers in Medical Science, 2022, 37, 3661-3670.  | 1.0 | 1         |
| 979 | Analysis of the Potential of Blood Transvascular Sublingual with Light-Emitting Diode Irradiation in COVID-19 Patients: A Pilot Clinical Study. Photobiomodulation, Photomedicine, and Laser Surgery, 2022, 40, 622-631.   | 0.7 | 1         |
| 980 | The Effects of Blue Light on Human Fibroblasts and Diabetic Wound Healing. Life, 2022, 12, 1431.   | 1.1 | 4         |
| 981 | Sometimes less is more: inhibitory infrared light during early reperfusion calms hyperactive mitochondria and suppresses reperfusion injury. Biochemical Society Transactions, 0, , .  | 1.6 | 6         |
| 982 | Highlighting nuances of blue light phototherapy: Mechanisms and safety considerations. Journal of Biophotonics, 2023, 16, .  | 1.1 | 6         |
| 983 | Laser Treatment Increases the Antimicrobial Efficacy of Cyanobacterial Extracts against Staphylococcusaureus (SA) and Methicillin-resistantStaphylococcus aureus (MRSA). International Journal of Environmental Research and Public Health, 2022, 19, 13305.             | 1.2 | 2         |
| 984 | Utilization of lightâ€emitting diodes for skin therapy: Systematic review and metaâ€enalysis. Photodermatology Photoimmunology and Photomedicine, 2023, 39, 303-317.   | 0.7 | 5         |
| 985 | Photobiomodulation for Preventive Therapy of Recurrent Herpes Labialis: A 2-Year <i>In Vivo</i> Randomized Controlled Study. Photobiomodulation, Photomedicine, and Laser Surgery, 2022, 40, 682-690.  | 0.7 | 2         |
| 986 | Progress of phototherapy for osteosarcoma and application prospect of blue light photobiomodulation therapy. Frontiers in Oncology, 0, 12, .   | 1.3 | 9         |
| 987 | Intravascular Laser Irradiation of Blood Improves Functional Independence in Subacute Post-Stroke Patients: A Retrospective Observational Study from a Post-Stroke Acute Care Center in Taiwan. Photobiomodulation, Photomedicine, and Laser Surgery, 2022, 40, 691-697. | 0.7 | 2         |
| 988 | Neuromodulation of brain power topography and network topology by prefrontal transcranial photobiomodulation. Journal of Neural Engineering, 2022, 19, 066013.   | 1.8 | 8         |
| 989 | Differential effects of 808-nm light on electron transport chain enzymes in isolated mitochondria: Implications for photobiomodulation initiation. Mitochondrion, 2023, 68, 15-24.   | 1.6 | 9         |
| 990 | Effects of light-emitting diodes on cell biology. Frontiers in Photonics, 0, 3, .  | 1.1 | 2         |

| #    | Article   | IF  | CITATIONS |
|------|---|-----|-----------|
| 991  | Low-intensity laser efficacy in Combined Treatment of Patients with Alveolar Osteitis., 0,, 101-111.  |     | 0         |
| 992  | The Effects of Low-Dose Non-ionizing and Ionizing Radiation on Wound Healing and Cancer. , 2023, , 287-322.   |     | 0         |
| 993  | Transcranial photobiomodulation enhances visual working memory capacity in humans. Science Advances, 2022, 8, .   | 4.7 | 16        |
| 994  | Considerations for the Use of Photobiomodulation in the Treatment of Retinal Diseases. Biomolecules, 2022, 12, 1811.  | 1.8 | 1         |
| 995  | Can the use of photobiomodulation for localized fat reduction induce changes in lipid profile? A critical integrative review. Lasers in Medical Science, 2023, 38, .  | 1.0 | 1         |
| 996  | Photobiomodulation for Alzheimer $\hat{a} \in \mathbb{T}^M$ s disease: photoelectric coupling effect on attenuating $\hat{Al^2}$ neurotoxicity. Lasers in Medical Science, 2023, 38, .  | 1.0 | 2         |
| 997  | Recent advances in low-level laser therapy on depression. Stress and Brain, 2022, 2, 123-138.   | 0.3 | 2         |
| 998  | Effects of Intermittent Irradiation with Low-Level LED Light on Osteoblast-Like Cells Derived from Rat Bone Marrow. Journal of Hard Tissue Biology, 2023, 32, 67-76.  | 0.2 | O         |
| 999  | Photobiomodulation: A Systematic Review of the Oncologic Safety of Low-Level Light Therapy for Aesthetic Skin Rejuvenation. Aesthetic Surgery Journal, 2023, 43, NP357-NP371.   | 0.9 | 2         |
| 1000 | Invitro impact of a combination of red and infrared LEDs, infrared laser and magnetic field on biomarkers of oxidative stress and hemolysis of erythrocytes sampled from healthy individuals and diabetes patients. Journal of Photochemistry and Photobiology B: Biology, 2023, 242, 112685.                       | 1.7 | 1         |
| 1001 | Optimization of green LED light intensity for accelerating wound healing in olive flounder Paralichthys olivaceus (Temminck et Schlegel). Aquaculture, 2023, 569, 739344.   | 1.7 | 1         |
| 1003 | The Effect of Low-Level Laser Therapy on the Viability of Human Dental Pulp Stem Cells. Journal of Lasers in Medical Sciences, 2022, 13, e60.   | 0.4 | 2         |
| 1004 | Nonâ€invasive treatment of ischemia/reperfusion injury: Effective transmission of therapeutic nearâ€infrared light into the human brain through soft skinâ€conforming silicone waveguides. Bioengineering and Translational Medicine, 2023, 8, .  | 3.9 | 1         |
| 1005 | The safety and effectiveness of low-level light therapy (LLLT) with light-emitting diode (LED) bed system and a novel topical anti-cellulite gel on grades 1–2 thigh/buttock cellulite: a randomized, comparative-controlled split-thigh/buttock IRB study. Journal of Cosmetic and Laser Therapy, 2023, 25, 45-53. | 0.3 | 2         |
| 1006 | Effect of Low-Level Laser Therapy on Early Wound Healing and Levels of Inflammatory Mediators in Gingival Crevicular Fluid Following Open Flap Debridement. Cureus, 2023, , .   | 0.2 | 0         |
| 1007 | Obesity Indices and Ventilatory Function Responses to High-Level Laser Therapy in Subjects with Abdominal Obesity. Photobiomodulation, Photomedicine, and Laser Surgery, 2023, 41, 57-63.   | 0.7 | O         |
| 1008 | Irradiation with a diode at 820 nm induces changes in circular dichroism spectra (250–780 nm) of living cells. , 2001, , .  |     | 0         |
| 1009 | Comparison of linear polarization degree in health and wounded rat skin. , 2001, , .  |     | O         |

| #    | Article  | IF  | CITATIONS |
|------|--|-----|-----------|
| 1010 | Changes in absorbance of monolayer of living cells induced by laser radiation at 633, 670, and 820 nm., 2001, , .  |     | 0         |
| 1011 | The application of optical technology in the diagnosis and therapy of oxidative stress-mediated hepatic ischemia-reperfusion injury. Frontiers in Bioengineering and Biotechnology, 0, 11, .                   | 2.0 | O         |
| 1012 | Neurite growth induced by red light-caused intracellular reactive oxygen species production through cytochrome c oxidase activation. Journal of Photochemistry and Photobiology B: Biology, 2023, 241, 112681. | 1.7 | 1         |
| 1013 | Photobiomodulation in Alzheimer's Diseaseâ€"A Complementary Method to State-of-the-Art<br>Pharmaceutical Formulations and Nanomedicine?. Pharmaceutics, 2023, 15, 916.   | 2.0 | 8         |
| 1014 | Radiation from UV-A to Red Light Induces ROS-Dependent Release of Neutrophil Extracellular Traps. International Journal of Molecular Sciences, 2023, 24, 5770.   | 1.8 | 5         |
| 1016 | Photobiomodulation at molecular, cellular, and systemic levels. Lasers in Medical Science, 2023, 38, .   | 1.0 | 13        |
| 1024 | Action Mechanisms of Photobiomodulation in Neuronal Cells and the Brain. Synthesis Lectures on Biomedical Engineering, 2023, , 49-85.  | 0.1 | 1         |
| 1030 | Low-Level Light Therapy with LEDs. , 2023, , 111-125.  |     | 0         |
| 1032 | Shedding Light on Photobiomodulation Therapy for Age-Related Macular Degeneration: A Narrative Review. Ophthalmology and Therapy, 0, , .   | 1.0 | 1         |
| 1046 | Photobiomodulation of A549 Lung Cancer & MRC5 Healthy Lung Cell Lines via 660nm and 808nm Laser Irradiations. , 2023, , .  |     | 0         |
| 1049 | Photobiomodulation Therapy Within Clinical Dentistry: Theoretical and Applied Concepts. Textbooks in Contemporary Dentistry, 2023, , 173-236.  | 0.2 | 0         |
| 1052 | Laser-Tissue Interaction. Textbooks in Contemporary Dentistry, 2023, , 35-63.  | 0.2 | O         |