Heidi Abrahamse

List of Publications by Citations

236 papers	6,573 citations	39 h-index	73 g-index
289 ext. papers	8,240 ext. citations	4.5 avg, IF	7.04 L-index

#	Paper	IF	Citations
236	New photosensitizers for photodynamic therapy. *Biochemical Journal*, **2016**, 473, 347-64	3.8	968
235	Photodynamic therapy (PDT): a short review on cellular mechanisms and cancer research applications for PDT. *Journal of Photochemistry and Photobiology B: Biology*, **2009**, 96, 1-8	6.7	770
234	The role of photobiomodulation on gene expression of cell adhesion molecules in diabetic wounded fibroblasts in vitro. *Journal of Photochemistry and Photobiology B: Biology*, **2016**, 161, 368-74	6.7	202
233	The role of laser fluence in cell viability, proliferation, and membrane integrity of wounded human skin fibroblasts following helium-neon laser irradiation. *Lasers in Surgery and Medicine*, **2006**, 38, 74-83	3.6	197
232	Effect of multiple exposures of low-level laser therapy on the cellular responses of wounded human skin fibroblasts. *Photomedicine and Laser Surgery*, **2006**, 24, 705-14		186
231	Recent advances on silver nanoparticle and biopolymer-based biomaterials for wound healing applications. *International Journal of Biological Macromolecules*, **2018**, 115, 165-175	7.9	148
230	A review on nanoparticle based treatment for wound healing. *Journal of Drug Delivery Science and Technology*, **2018**, 44, 421-430	4.5	144
229	Low level laser therapy (LLLT) as an effective therapeutic modality for delayed wound healing. *Annals of the New York Academy of Sciences*, **2005**, 1056, 486-93	6.5	142
228	The effect of low level laser irradiation on adult human adipose derived stem cells. *Lasers in Medical Science*, **2008**, 23, 277-82	3.1	107
227	Biological effects of helium-neon laser irradiation on normal and wounded human skin fibroblasts. *Photomedicine and Laser Surgery*, **2005**, 23, 251-9		94
226	The Role of Matrix Metalloproteinases in Diabetic Wound Healing in relation to Photobiomodulation. *Journal of Diabetes Research*, **2016**, 2016, 2897656	3.9	87
225	Effect of low-level laser irradiation and epidermal growth factor on adult human adipose-derived stem cells. *Lasers in Medical Science*, **2010**, 25, 33-9	3.1	83
224	A review of nanoparticle photosensitizer drug delivery uptake systems for photodynamic treatment of lung cancer. *Photodiagnosis and Photodynamic Therapy*, **2018**, 22, 147-154	3.5	81
223	In vitro exposure of wounded diabetic fibroblast cells to a helium-neon laser at 5 and 16 J/cm2. *Photomedicine and Laser Surgery*, **2007**, 25, 78-84		62
222	Nanoparticles for Advanced Photodynamic Therapy of Cancer. *Photomedicine and Laser Surgery*, **2017**, 35, 581-588		61
221	Laser light influences cellular viability and proliferation in diabetic-wounded fibroblast cells in a dose- and wavelength-dependent manner. *Lasers in Medical Science*, **2008**, 23, 11-8	3.1	60
220	Efficacy of three different laser wavelengths for in vitro wound healing. *Photodermatology Photoimmunology and Photomedicine*, **2008**, 24, 199-210	2.4	59

219	Apoptotic efficacy of multifaceted biosynthesized silver nanoparticles on human adenocarcinoma cells. *Scientific Reports*, **2018**, 8, 14368	4.9	59
218	Irradiation at 830 nm stimulates nitric oxide production and inhibits pro-inflammatory cytokines in diabetic wounded fibroblast cells. *Lasers in Surgery and Medicine*, **2010**, 42, 494-502	3.6	58
217	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, 869-82	6.4	57
216	Photodynamic Therapy for Metastatic Melanoma Treatment: A Review. *Technology in Cancer Research and Treatment*, **2018**, 17, 1533033818791795	2.7	56
215	Sustainable one-step synthesis of hierarchical microspheres of PEGylated MoS2 nanosheets and MoO3 nanorods: Their cytotoxicity towards lung and breast cancer cells. *Applied Surface Science*, **2017**, 396, 8-18	6.7	55
214	Shedding light on a new treatment for diabetic wound healing: a review on phototherapy. *Scientific World Journal, The*, **2014**, 2014, 398412	2.2	55
213	Collagen production in diabetic wounded fibroblasts in response to low-intensity laser irradiation at 660 nm. *Diabetes Technology and Therapeutics*, **2012**, 14, 1110-7	8.1	52
212	Cell death pathways and phthalocyanine as an efficient agent for photodynamic cancer therapy. *International Journal of Molecular Sciences*, **2015**, 16, 10228-41	6.3	51
211	Comparative study between the photodynamic ability of gold and silver nanoparticles in mediating cell death in breast and lung cancer cell lines. *Journal of Photochemistry and Photobiology B: Biology* , **2015**, 153, 67-75	6.7	51
210	Therapeutic Potential and Recent Advances of Curcumin in the Treatment of Aging-Associated Diseases. *Molecules*, **2018**, 23,	4.8	51
209	Targeted photodynamic therapy as potential treatment modality for the eradication of colon cancer and colon cancer stem cells. *Tumor Biology*, **2017**, 39, 1010428317734691	2.9	46
208	The role of photodynamic therapy on multidrug resistant breast cancer. *Cancer Cell International*, **2019**, 19, 91	6.4	46
207	Low-intensity laser irradiation at 660 nm stimulates transcription of genes involved in the electron transport chain. *Photomedicine and Laser Surgery*, **2013**, 31, 47-53		45
206	Low-intensity laser irradiation stimulates wound healing in diabetic wounded fibroblast cells (WS1). *Diabetes Technology and Therapeutics*, **2010**, 12, 971-8	8.1	43
205	Adipose derived stem cells and smooth muscle cells: implications for regenerative medicine. *Stem Cell Reviews and Reports*, **2009**, 5, 256-65	6.4	43
204	Can light-based approaches overcome antimicrobial resistance?. *Drug Development Research*, **2019**, 80, 48-67	5.1	42
203	Mitochondrial responses of normal and injured human skin fibroblasts following low level laser irradiation--an in vitro study. *Photochemistry and Photobiology*, **2009**, 85, 987-96	3.6	42
202	Time-dependent responses of wounded human skin fibroblasts following phototherapy. *Journal of Photochemistry and Photobiology B: Biology*, **2007**, 88, 147-55	6.7	42

201	Utilisation of Targeted Nanoparticle Photosensitiser Drug Delivery Systems for the Enhancement of Photodynamic Therapy. *Molecules*, **2018**, 23,	4.8	41
200	Role of the PI3K/AKT (mTOR and GSK3β) signalling pathway and photobiomodulation in diabetic wound healing. *Cytokine and Growth Factor Reviews*, **2019**, 50, 52-59	17.9	40
199	Expression of genes in normal fibroblast cells (WS1) in response to irradiation at 660nm. *Journal of Photochemistry and Photobiology B: Biology*, **2014**, 130, 146-52	6.7	40
198	Low-intensity laser irradiation at 660 nm stimulates cytochrome c oxidase in stressed fibroblast cells. *Lasers in Surgery and Medicine*, **2012**, 44, 429-34	3.6	39
197	Enhancing Breast Cancer Treatment Using a Combination of Cannabidiol and Gold Nanoparticles for Photodynamic Therapy. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	37
196	Cellular imaging and folate receptor targeting delivery of gum kondagogu capped gold nanoparticles in cancer cells. *International Journal of Biological Macromolecules*, **2018**, 109, 220-230	7.9	35
195	Effect of red light and near infrared laser on the generation of reactive oxygen species in primary dermal fibroblasts. *Journal of Photochemistry and Photobiology B: Biology*, **2018**, 188, 60-68	6.7	35
194	Inorganic Salts and Antimicrobial Photodynamic Therapy: Mechanistic Conundrums?. *Molecules*, **2018**, 23,	4.8	34
193	The effects of combined low level laser therapy and mesenchymal stem cells on bone regeneration in rabbit calvarial defects. *Journal of Photochemistry and Photobiology B: Biology*, **2015**, 151, 180-5	6.7	33
192	A novel approach to low-temperature synthesis of cubic HfO nanostructures and their cytotoxicity. *Scientific Reports*, **2017**, 7, 9351	4.9	33
191	Irradiation at 636 nm positively affects diabetic wounded and hypoxic cells in vitro. *Photomedicine and Laser Surgery*, **2011**, 29, 521-30		33
190	Differentiation of Mesenchymal Stem Cells to Neuroglia: in the Context of Cell Signalling. *Stem Cell Reviews and Reports*, **2019**, 15, 814-826	7.3	32
189	Regenerative medicine, stem cells, and low-level laser therapy: future directives. *Photomedicine and Laser Surgery*, **2012**, 30, 681-2		31
188	Irradiation with a 632.8 nm helium-neon laser with 5 J/cm2 stimulates proliferation and expression of interleukin-6 in diabetic wounded fibroblast cells. *Diabetes Technology and Therapeutics*, **2007**, 9, 451-9	8.1	31
187	Cellular imaging and bactericidal mechanism of green-synthesized silver nanoparticles against human pathogenic bacteria. *Journal of Photochemistry and Photobiology B: Biology*, **2018**, 178, 259-269	6.7	30
186	Cervical cancer cells (HeLa) response to photodynamic therapy using a zinc phthalocyanine photosensitizer. *Journal of Photochemistry and Photobiology B: Biology*, **2017**, 177, 32-38	6.7	28
185	Phenolics, tannins, flavonoids and anthocyanins contents influenced antioxidant and anticancer activities of Rubus fruits from Western Ghats, India. *Food Science and Human Wellness*, **2019**, 8, 73-81	8.3	28
184	The effect of Ge, Si and Sn phthalocyanine photosensitizers on cell proliferation and viability of human oesophageal carcinoma cells. *Journal of Photochemistry and Photobiology B: Biology*, **2006**, 83, 55-62	6.7	28

183	Photobiomodulation at 660nm stimulates proliferation and migration of diabetic wounded cells via the expression of epidermal growth factor and the JAK/STAT pathway. *Journal of Photochemistry and Photobiology B: Biology*, **2018**, 179, 74-83	6.7	27
182	Recent Trends of Biocompatible and Biodegradable Nanoparticles in Drug Delivery: A Review. *Current Medicinal Chemistry*, **2016**, 23, 3730-3751	4.3	27
181	A Review on Novel Breast Cancer Therapies: Photodynamic Therapy and Plant Derived Agent Induced Cell Death Mechanisms. *Anti-Cancer Agents in Medicinal Chemistry*, **2016**, 16, 793-801	2.2	27
180	Inorganic Nanoparticles Applied for Active Targeted Photodynamic Therapy of Breast Cancer. *Pharmaceutics*, **2021**, 13,	6.4	27
179	Role of photobiomodulation on the activation of the Smad pathway via TGF-□n wound healing. *Journal of Photochemistry and Photobiology B: Biology*, **2018**, 189, 138-144	6.7	27
178	The primary subcellular localization of Zinc phthalocyanine and its cellular impact on viability, proliferation and structure of breast cancer cells (MCF-7). *Journal of Photochemistry and Photobiology B: Biology*, **2013**, 120, 171-6	6.7	25
177	Redox Potential of Antioxidants in Cancer Progression and Prevention. *Antioxidants*, **2020**, 9,	7.1	25
176	The JAK/STAT signaling pathway and photobiomodulation in chronic wound healing. *Cytokine and Growth Factor Reviews*, **2017**, 38, 73-79	17.9	24
175	Simultaneous Photodiagnosis and Photodynamic Treatment of Metastatic Melanoma. *Molecules*, **2019**, 24,	4.8	24
174	Photodynamic therapy evaluation of methoxypolyethyleneglycol-thiol-SPIONs-gold-meso-tetrakis(4-hydroxyphenyl)porphyrin conjugate against breast cancer cells. *Materials Science and Engineering C*, **2018**, 92, 737-744	8.3	24
173	Oxygen-Independent Antimicrobial Photoinactivation: Type III Photochemical Mechanism?. *Antibiotics*, **2020**, 9,	4.9	24
172	Localization and phototoxic effect of zinc sulfophthalocyanine photosensitizer in human colon (DLD-1) and lung (A549) carcinoma cells (in vitro). *Photodiagnosis and Photodynamic Therapy*, **2012**, 9, 52-9	3.5	23
171	Effective Gold Nanoparticle-Antibody-Mediated Drug Delivery for Photodynamic Therapy of Lung Cancer Stem Cells. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	22
170	DNA damage after phototherapy in wounded fibroblast cells irradiated with 16 J/cm(2). *Journal of Photochemistry and Photobiology B: Biology*, **2009**, 94, 131-7	6.7	22
169	Influence of broad-spectrum and infrared light in combination with laser irradiation on the proliferation of wounded skin fibroblasts. *Photomedicine and Laser Surgery*, **2007**, 25, 159-69		22
168	Nanotechnology in Modern Photodynamic Therapy of Cancer: A Review of Cellular Resistance Patterns Affecting the Therapeutic Response. *Pharmaceutics*, **2020**, 12,	6.4	22
167	The Influence of Light on Reactive Oxygen Species and NF-B in Disease Progression. *Antioxidants*, **2019**, 8,	7.1	22
166	Nano-Mediated Photodynamic Therapy for Cancer: Enhancement of Cancer Specificity and Therapeutic Effects. *Nanomaterials*, **2018**, 8,	5.4	22

165	Recent Advances in Porphyrin-Based Inorganic Nanoparticles for Cancer Treatment. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	21
164	Effective Photodynamic Therapy for Colon Cancer Cells Using Chlorin e6 Coated Hyaluronic Acid-Based Carbon Nanotubes. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	21
163	Assessment of DNA Damage after Photodynamic Therapy Using a Metallophthalocyanine Photosensitizer. *International Journal of Photoenergy*, **2012**, 2012, 1-10	2.1	21
162	Role of Photoactive Phytocompounds in Photodynamic Therapy of Cancer. *Molecules*, **2020**, 25,	4.8	21
161	Multiorganelle Localization of Metallated Phthalocyanine Photosensitizer in Colorectal Cancer Cells (DLD-1 and CaCo-2) Enhances Efficacy of Photodynamic Therapy. *International Journal of Photoenergy*, **2014**, 2014, 1-10	2.1	20
160	Chiropractic manipulative therapy and low-level laser therapy in the management of cervical facet dysfunction: a randomized controlled study. *Journal of Manipulative and Physiological Therapeutics*, **2011**, 34, 153-63	1.3	20
159	Photodynamic therapy of cervical cancer by eradication of cervical cancer cells and cervical cancer stem cells. *Oncotarget*, **2019**, 10, 4380-4396	3.3	20
158	Increased Oxidative Stress Induced by Bioactive Compounds Induce Apoptotic Cell Death in Human Breast Cancer Cells. *Oxidative Medicine and Cellular Longevity*, **2019**, 2019, 6797921	6.7	19
157	Phototoxic effect of photodynamic therapy on lung cancer cells grown as a monolayer and three dimensional multicellular spheroids. *Lasers in Surgery and Medicine*, **2013**, 45, 186-94	3.6	19
156	Investigating the efficiency of novel metallo-phthalocyanine PDT-induced cell death in MCF-7 breast cancer cells. *Photodiagnosis and Photodynamic Therapy*, **2012**, 9, 215-24	3.5	19
155	Effectiveness of helium-neon laser irradiation on viability and cytotoxicity of diabetic-wounded fibroblast cells. *Photomedicine and Laser Surgery*, **2007**, 25, 474-81		19
154	Review: Organic nanoparticle based active targeting for photodynamic therapy treatment of breast cancer cells. *Oncotarget*, **2020**, 11, 2120-2136	3.3	19
153	Role of Phytochemicals in Cancer Chemoprevention: Insights. *Antioxidants*, **2021**, 10,	7.1	19
152	Cyclodextrin grafted calcium carbonate vaterite particles: efficient system for tailored release of hydrophobic anticancer or hormone drugs. *RSC Advances*, **2016**, 6, 104537-104548	3.7	18
151	Synthesis of Zinc Oxide Nanoparticles Using Root Extract and Their Activity against Pathogenic Bacteria. *Molecules*, **2021**, 26,	4.8	18
150	Resistance of lung cancer cells grown as multicellular tumour spheroids to zinc sulfophthalocyanine photosensitization. *International Journal of Molecular Sciences*, **2015**, 16, 10185-200	6.3	17
149	Phototherapy Combined with Carbon Nanomaterials (1D and 2D) and their Applications in Cancer Therapy. *Materials*, **2020**, 13,	3.5	17
148	Induced cell death pathway post photodynamic therapy using a metallophthalocyanine photosensitizer in breast cancer cells. *Photomedicine and Laser Surgery*, **2014**, 32, 205-11		17

147	Phthalocyanine induced phototherapy coupled with Doxorubicin; a promising novel treatment for breast cancer. *Expert Review of Anticancer Therapy*, **2017**, 17, 693-702	3.5	17
146	Effect of a newly synthesized Zn sulfophthalocyanine derivative on cell morphology, viability, proliferation, and cytotoxicity in a human lung cancer cell line (A549). *Lasers in Medical Science*, **2011**, 26, 523-30	3.1	17
145	The in vitro PDT efficacy of a novel metallophthalocyanine (MPc) derivative and established 5-ALA photosensitizing dyes against human metastatic melanoma cells. *Lasers in Surgery and Medicine*, **2010**, 42, 766-76	3.6	17
144	Therapeutic Efficacy of Home-Use Photobiomodulation Devices: A Systematic Literature Review. *Photobiomodulation, Photomedicine, and Laser Surgery*, **2019**, 37, 4-16	2.8	17
143	Effect of 660□nm visible red light on cell proliferation and viability in diabetic models in vitro under stressed conditions. *Lasers in Medical Science*, **2018**, 33, 1085-1093	3.1	16
142	The link between advanced glycation end products and apoptosis in delayed wound healing. *Cell Biochemistry and Function*, **2019**, 37, 432-442	4.2	16
141	A review of laboratory-based methods to investigate second messengers in low-level laser therapy (LLLT). *Medical Laser Application: International Journal for Laser Treatment and Research*, **2009**, 24, 201-215		16
140	Photobiomodulation at 660 nm Stimulates Fibroblast Differentiation. *Lasers in Surgery and Medicine* , **2020**, 52, 671-681	3.6	16
139	Caspase dependent apoptotic inhibition of melanoma and lung cancer cells by tropical Rubus extracts. *Biomedicine and Pharmacotherapy*, **2016**, 80, 193-199	7.5	16
138	In vitro combined effect of Doxorubicin and sulfonated zinc Phthalocyanine-mediated photodynamic therapy on MCF-7 breast cancer cells. *Tumor Biology*, **2017**, 39, 1010428317727278	2.9	15
137	Low-Intensity Laser Irradiation at 636 nm Induces Increased Viability and Proliferation in Isolated Lung Cancer Stem Cells. *Photomedicine and Laser Surgery*, **2016**, 34, 525-532		15
136	Lung cancer stem cells and low-intensity laser irradiation: a potential future therapy?. *Stem Cell Research and Therapy*, **2013**, 4, 129	8.3	15
135	Laser Irradiation Alters the Expression Profile of Genes Involved in the Extracellular MatrixIn Vitro. *International Journal of Photoenergy*, **2014**, 2014, 1-17	2.1	15
134	Biological Responses of Stem Cells to Photobiomodulation Therapy. *Current Stem Cell Research and Therapy*, **2020**, 15, 400-413	3.6	15
133	Caspase dependent apoptotic activity of Rubus fairholmianus Gard. on MCF-7 human breast cancer cell lines. *Journal of Applied Biomedicine*, **2016**, 14, 211-219	0.6	14
132	Photobiomodulation of breast and cervical cancer stem cells using low-intensity laser irradiation. *Tumor Biology*, **2017**, 39, 1010428317706913	2.9	14
131	Recent Advances in Photosensitizers as Multifunctional Theranostic Agents for Imaging-Guided Photodynamic Therapy of Cancer. *Theranostics*, **2021**, 11, 9054-9088	12.1	14
130	mTOR Signaling Pathway in Cancer Targets Photodynamic Therapy In Vitro. *Cells*, **2019**, 8,	7.9	13

129	Differentiation Potential of Adipose-Derived Stem Cells When Cocultured with Smooth Muscle Cells, and the Role of Low-Intensity Laser Irradiation. *Photomedicine and Laser Surgery*, **2016**, 34, 509-515		13
128	Cell Adhesion Molecules are Mediated by Photobiomodulation at 660 nm in Diabetic Wounded Fibroblast Cells. *Cells*, **2018**, 7,	7.9	13
127	The use of lasers and light sources in skin rejuvenation. *Clinics in Dermatology*, **2019**, 37, 358-364	3	12
126	Role of Bcl-2 Family Proteins in Photodynamic Therapy Mediated Cell Survival and Regulation. *Molecules*, **2020**, 25,	4.8	12
125	Photodynamic diagnosis and photodynamic therapy of colorectal cancer and .. *RSC Advances*, **2020**, 10, 41560-41576	3.7	11
124	Photobiomodulation alters matrix protein activity in stressed fibroblast cells in vitro. *Journal of Biophotonics*, **2018**, 11, e201700127	3.1	11
123	Anticancer effects elicited by combination of Rubus extract with phthalocyanine photosensitiser on MCF-7 human breast cancer cells. *Photodiagnosis and Photodynamic Therapy*, **2017**, 19, 266-273	3.5	11
122	Green Synthesis of 5-Substituted-1H-1,2,3,4-tetrazoles and 1-Sustituted-1H-1,2,3,4-tetrazoles via [3+2] Cycloaddition by Reusable Immobilized AlCl3 on Al2O3. *Heterocycles*, **2014**, 89, 2137	0.8	11
121	Targeted photodynamic therapy treatment of A375 metastatic melanoma cells. *Oncotarget*, **2019**, 10, 6079-6095	3.3	11
120	Cannabis and its constituents for cancer: History, biogenesis, chemistry and pharmacological activities. *Pharmacological Research*, **2021**, 163, 105302	10.2	11
119	Effect of dose responses of hydrophilic aluminium (III) phthalocyanine chloride tetrasulphonate based photosensitizer on lung cancer cells. *Journal of Photochemistry and Photobiology B: Biology*, **2019**, 194, 96-106	6.7	10
118	Photobiomodulation-Induced Differentiation of Immortalized Adipose Stem Cells to Neuronal Cells. *Lasers in Surgery and Medicine*, **2020**, 52, 1032-1040	3.6	10
117	Susceptibility of Melanoma Skin Cancer to Photoactivated Hypericin versus Aluminium(III) Phthalocyanine Chloride Tetrasulphonate. *BioMed Research International*, **2017**, 2017, 5407012	3	10
116	Modes of Cell Death Induced by Photodynamic Therapy Using Zinc Phthalocyanine in Lung Cancer Cells Grown as a Monolayer and Three-Dimensional Multicellular Spheroids. *Molecules*, **2017**, 22,	4.8	10
115	In Vitro Antiproliferative Effect of the Acetone Extract of Rubus fairholmianus Gard. Root on Human Colorectal Cancer Cells. *BioMed Research International*, **2015**, 2015, 165037	3	10
114	Possible Enhancement of Photodynamic Therapy (PDT) Colorectal Cancer Treatment when Combined with Cannabidiol. *Anti-Cancer Agents in Medicinal Chemistry*, **2021**, 21, 137-148	2.2	10
113	The "in's and outs" of laser hair removal: a mini review. *Journal of Cosmetic and Laser Therapy*, **2019**, 21, 316-322	1.8	9
112	Current and Future Trends in Adipose Stem Cell Differentiation into Neuroglia. *Photomedicine and Laser Surgery*, **2018**, 36, 230-240		9

111	Phytochemical composition, antioxidant and anti-bacterial activity of Walp. fruit. *Journal of Food Science and Technology*, **2018**, 55, 341-350	3.3	9
110	Understanding the perspectives of forkhead transcription factors in delayed wound healing. *Journal of Cell Communication and Signaling*, **2019**, 13, 151-162	5.2	9
109	Factors Affecting Photodynamic Therapy and Anti-Tumor Immune Response. *Anti-Cancer Agents in Medicinal Chemistry*, **2021**, 21, 123-136	2.2	9
108	Phototoxic effectiveness of zinc phthalocyanine tetrasulfonic acid on MCF-7 cells with overexpressed P-glycoprotein. *Journal of Photochemistry and Photobiology B: Biology*, **2020**, 204, 111811	6.7	8
107	Photobiomodulation and the expression of genes related to the JAK/STAT signalling pathway in wounded and diabetic wounded cells. *Journal of Photochemistry and Photobiology B: Biology*, **2020**, 204, 111791	6.7	8
106	Genetic Aberrations Associated with Photodynamic Therapy in Colorectal Cancer Cells. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	8
105	Therapeutic effects of Syzygium mundagam bark methanol extract on type-2 diabetic complications in rats. *Biomedicine and Pharmacotherapy*, **2017**, 95, 167-174	7.5	8
104	Photobiomodulation in diabetic wound healing: A review of red and near-infrared wavelength applications. *Cell Biochemistry and Function*, **2021**, 39, 596-612	4.2	8
103	Tetracyclines: light-activated antibiotics?. *Future Medicinal Chemistry*, **2019**, 11, 2427-2445	4.1	8
102	Conventional podiatric intervention and phototherapy in the treatment of diabetic ulcers. *Seminars in Vascular Surgery*, **2015**, 28, 172-83	1.2	7
101	Neuronal Differentiation of Adipose Derived Stem Cells: Progress So Far. *International Journal of Photoenergy*, **2014**, 2014, 1-8	2.1	7
100	The effects of two metallophthalocyanines on the viability and proliferation of an esophageal cancer cell line. *Photomedicine and Laser Surgery*, **2009**, 27, 625-31		7
99	Photobiomodulation and Antiviral Photodynamic Therapy in COVID-19 Management. *Advances in Experimental Medicine and Biology*, **2021**, 1318, 517-547	3.6	7
98	Evaluation of cell damage induced by irradiated Zinc-Phthalocyanine-gold dendrimeric nanoparticles in a breast cancer cell line. *Biomedical Journal*, **2018**, 41, 254-264	7.1	7
97	Natural options for management of melasma, a review. *Journal of Cosmetic and Laser Therapy*, **2018** , 20, 470-481	1.8	6
96	Cytotoxic, analgesic and anti-inflammatory properties of Syzygium calophyllifolium bark. *Biomedicine and Pharmacotherapy*, **2018**, 103, 1079-1085	7.5	6
95	Phenolics from Rubus fairholmianus induces cytotoxicity and apoptosis in human breast adenocarcinoma cells. *Chemico-Biological Interactions*, **2017**, 275, 178-188	5	6
94	Regioselective Synthesis of 1,5-Disubstituted 1,2,3-Triazoles by Reusable AlCl3 Immobilized on Al2O3. *Synthetic Communications*, **2015**, 45, 967-974	1.7	6

93	Phototherapy promotes cell migration in the presence of hydroxyurea. *Lasers in Medical Science*, **2009**, 24, 144-50	3.1	6
92	How Long After Laser Irradiation Should Cellular Responses be Measured to Determine the Laser Effect?. *Journal of Laser Applications*, **2007**, 19, 74-83	2.1	6
91	Cellular Damage in Diabetic Wounded Fibroblast Cells following Phototherapy at 632.8, 830, and 1064 nm. *Laser Chemistry*, **2007**, 2007, 1-9		6
90	Photodynamic ability of silver nanoparticles in inducing cytotoxic effects in breast and lung cancer cell lines. *International Journal of Nanomedicine*,3771	7.3	6
89	Identifying Plant-Based Natural Medicine against Oxidative Stress and Neurodegenerative Disorders. *Oxidative Medicine and Cellular Longevity*, **2020**, 2020, 8648742	6.7	6
88	Advancement of Nanobiomaterials to Deliver Natural Compounds for Tissue Engineering Applications. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	6
87	Targeted Photodynamic Therapy: A Novel Approach to Abolition of Human Cancer Stem Cells. *International Journal of Optics*, **2018**, 2018, 1-9	0.9	6
86	Interactions of multidomain pro-apoptotic and anti-apoptotic proteins in cancer cell death. *Oncotarget*, **2021**, 12, 1615-1626	3.3	6
85	Low Intensity Laser Irradiation and Growth Factors Influence Differentiation of Adipose Derived Stem Cells into Smooth Muscle Cells in a Coculture Environment over a Period of 72 Hours. *International Journal of Photoenergy*, **2014**, 2014, 1-5	2.1	5
84	Nanoparticle-Based Drug Delivery Systems for Photodynamic Therapy of Metastatic Melanoma: A Review. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	5
83	Healing Effects of Photobiomodulation on Diabetic Wounds. *Applied Sciences (Switzerland)*, **2019**, 9, 5114	2.6	5
82	Photobiomodulation reduces oxidative stress in diabetic wounded fibroblast cells by inhibiting the FOXO1 signaling pathway. *Journal of Cell Communication and Signaling*, **2021**, 15, 195-206	5.2	5
81	Downregulation of tumorogenicity and changes in the actin cytoskeleton of murine hepatoma after irradiation with polychromatic visible and IR light. *Photomedicine and Laser Surgery*, **2015**, 33, 185-92		4
80	Characterization of a multiple particle delivery complex and determination of cellular photodamage in skin fibroblast and breast cancer cell lines. *Journal of Biophotonics*, **2018**, 11, e201700077	3.1	4
79	Changes in Cell Viability of Wounded Fibroblasts following Laser Irradiation in Broad-Spectrum or Infrared Light. *Laser Chemistry*, **2007**, 2007, 1-10		4
78	Effect of wavelength and fluence on morphology, cellular and genetic integrity of diabetic wounded human skin fibroblasts **2006**, 6140, 41		4
77	Synthesis of a novel nanobioconjugate for targeted photodynamic therapy of colon cancer enhanced with cannabidiol.. *Oncotarget*, **2022**, 13, 156-172	3.3	4
76	Calcium intake and knowledge among white adolescent girls in Gauteng, South Africa. *South African Journal of Clinical Nutrition*, **2004**, 17, 102-108	1.1	4

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74	Anti-Proliferative, Analgesic and Anti-Inflammatory Properties of Bark Methanol Extract. *Molecules*, **2020**, 25,	4.8	4
73	Therapeutic Efficacy of Home-Use Photobiomodulation Devices: A Systematic Literature Review. *Photomedicine and Laser Surgery*, **2018**,		4
72	Molecular Effectors of Photodynamic Therapy-Mediated Resistance to Cancer Cells.. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	4
71	Functionalized Silver Nanoparticle Catalyzed [3+2] Cycloaddition Reaction: Greener Route to Substituted-1,2,3-triazolines. *Catalysis Letters*, **2016**, 146, 464-473	2.8	3
70	Biochemical responses of isolated lung CSCs after application of low intensity laser irradiation **2016** ,		3
69	The use of phototherapy in the treatment of diabetic ulcers. *Journal of Endocrinology Metabolism and Diabetes of South Africa*, **2012**, 17, 128-132	0.5	3
68	Inducing stem cell differentiation using low intensity laser irradiation: a possible novel therapeutic intervention. *Open Life Sciences*, **2011**, 6, 695-698	1.2	3
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