

# Heidi Abrahamse

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/1344/heidi-abrahamse-publications-by-year.pdf>

**Version:** 2024-04-20

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Anticancer Activity of Urease Mimetic Cobalt (III) Complexes on A549-Lung Cancer Cells: Targeting the Acidic Microenvironment.. <i>Pharmaceutics</i> , <b>2022</b> , 14,	6.4	1
235	ROS, Cancer, Stem Cells <b>2022</b> , 2147-2163		0
234	Evaluation of the effects of preconditioned human stem cells plus a scaffold and photobiomodulation administration on stereological parameters and gene expression levels in a critical size bone defect in rats.. <i>Lasers in Medical Science</i> , <b>2022</b> , 1	3.1	1
233	Synthesis of a novel nanobioconjugate for targeted photodynamic therapy of colon cancer enhanced with cannabidiol.. <i>Oncotarget</i> , <b>2022</b> , 13, 156-172	3.3	4
232	Photodynamic Therapy with an ALPcS4Cl Gold Nanoparticle Conjugate Decreases Lung Cancer's Metastatic Potential. <i>Coatings</i> , <b>2022</b> , 12, 199	2.9	1
231	Photodynamic Oxidative Stress Targets Cancer as Well as Cancer Stem Cells <b>2022</b> , 1-19		
230	Nanotechnologies in Oncology <b>2022</b> , 1-24		
229	Reactive Oxygen Species Induced Cancer Cell Death [A Therapeutic Approach <b>2022</b> , 1-17		
228	Neuronal differentiation potential of primary and immortalized adipose stem cells by photobiomodulation.. <i>Journal of Photochemistry and Photobiology B: Biology</i> , <b>2022</b> , 230, 112445	6.7	1
227	Enhancement of Conventional and Photodynamic Therapy for Treatment of Cervical Cancer with Cannabidiol.. <i>Integrative Cancer Therapies</i> , <b>2022</b> , 21, 15347354221092706	3	0
226	Enhances Phthalocyanine Mediated Photodynamic Therapy in MCF-7 Breast Cancer Cells.. <i>Frontiers in Pharmacology</i> , <b>2022</b> , 13, 892490	5.6	0
225	Response of MCF-7 Breast Cancer Cells Overexpressed with P-Glycoprotein to Apoptotic Induction after Photodynamic Therapy. <i>Molecules</i> , <b>2021</b> , 26,	4.8	1
224	Biocompatible Nanocarriers for Enhanced Cancer Photodynamic Therapy Applications. <i>Pharmaceutics</i> , <b>2021</b> , 13,	6.4	1
223	Nanoparticle-Based Drug Delivery Systems for Photodynamic Therapy of Metastatic Melanoma: A Review. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	5
222	ROS, Cancer, Stem Cells <b>2021</b> , 1-18		
221	Adipose-Derived Stem Cells as Photodynamic Therapeutic Carriers for Treatment of Glioblastoma Exploiting Reactive Oxygen Species <b>2021</b> , 1-21		
220	Factors Affecting Photodynamic Therapy and Anti-Tumor Immune Response. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , <b>2021</b> , 21, 123-136	2.2	9

219	Possible Enhancement of Photodynamic Therapy (PDT) Colorectal Cancer Treatment when Combined with Cannabidiol. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , <b>2021</b> , 21, 137-148	2.2	10
218	Inhibitory Role of Berberine, an Isoquinoline Alkaloid, on NLRP3 Inflammasome Activation for the Treatment of Inflammatory Diseases. <i>Molecules</i> , <b>2021</b> , 26,	4.8	1
217	Curcumin-silica nanocomplex preparation, hemoglobin and DNA interaction and photocytotoxicity against melanoma cancer cells. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2021</b> , 39, 6606-6616	3.6	2
216	Photobiomodulation: An Effective Approach to Enhance Proliferation and Differentiation of Adipose-Derived Stem Cells into Osteoblasts. <i>Stem Cells International</i> , <b>2021</b> , 2021, 8843179	5	2
215	Potential of Photobiomodulation to Induce Differentiation of Adipose- Derived Mesenchymal Stem Cells into Neural Cells. <i>Current Stem Cell Research and Therapy</i> , <b>2021</b> , 16, 307-322	3.6	3
214	Photobiomodulation in diabetic wound healing: A review of red and near-infrared wavelength applications. <i>Cell Biochemistry and Function</i> , <b>2021</b> , 39, 596-612	4.2	8
213	Synthesis of Zinc Oxide Nanoparticles Using Root Extract and Their Activity against Pathogenic Bacteria. <i>Molecules</i> , <b>2021</b> , 26,	4.8	18
212	Innovations in Nanotechnology for Biomedical Sensing, Imaging, Drug Delivery, and Therapy <b>2021</b> , 21-42		0
211	Traditional Uses and Bioactivities of Common Rubus Species With Reference to Cancer: A Mini-Review <b>2021</b> , 259-270		0
210	Single and consecutive application of near-infrared and green irradiation modulates adipose derived stem cell proliferation and affect differentiation factors. <i>Biochimie</i> , <b>2021</b> ,	4.6	3
209	Effect of photobiomodulation on cellular migration and survival in diabetic and hypoxic diabetic wounded fibroblast cells. <i>Lasers in Medical Science</i> , <b>2021</b> , 36, 365-374	3.1	2
208	Laser-Induced Differentiation of Human Adipose-Derived Stem Cells to Temporomandibular Joint Disc Cells. <i>Lasers in Surgery and Medicine</i> , <b>2021</b> , 53, 567-577	3.6	2
207	Photobiomodulation reduces oxidative stress in diabetic wounded fibroblast cells by inhibiting the FOXO1 signaling pathway. <i>Journal of Cell Communication and Signaling</i> , <b>2021</b> , 15, 195-206	5.2	5
206	Cannabis and its constituents for cancer: History, biogenesis, chemistry and pharmacological activities. <i>Pharmacological Research</i> , <b>2021</b> , 163, 105302	10.2	11
205	Photobiomodulation and Antiviral Photodynamic Therapy in COVID-19 Management. <i>Advances in Experimental Medicine and Biology</i> , <b>2021</b> , 1318, 517-547	3.6	7
204	Recent Advances in Photosensitizers as Multifunctional Theranostic Agents for Imaging-Guided Photodynamic Therapy of Cancer. <i>Theranostics</i> , <b>2021</b> , 11, 9054-9088	12.1	14
203	In Vitro Wound Healing Potential of Photobiomodulation Is Possibly Mediated by Its Stimulatory Effect on AKT Expression in Adipose-Derived Stem Cells. <i>Oxidative Medicine and Cellular Longevity</i> , <b>2021</b> , 2021, 6664627	6.7	3
202	Fluorescence Sensing with Molecularly Imprinted Polymer-Capped Quantum Dots. <i>Methods in Molecular Biology</i> , <b>2021</b> , 2359, 183-194	1.4	1

201	Inorganic Nanoparticles Applied for Active Targeted Photodynamic Therapy of Breast Cancer. <i>Pharmaceutics</i> , <b>2021</b> , 13,	6.4	27
200	Levels of Cyclooxygenase 2, Interleukin-6, and Tumour Necrosis Factor- in Fibroblast Cell Culture Models after Photobiomodulation at 660 nm. <i>Oxidative Medicine and Cellular Longevity</i> , <b>2021</b> , 2021, 6667812	6.7	2
199	The Signalling Effects of Photobiomodulation on Osteoblast Proliferation, Maturation and Differentiation: A Review. <i>Stem Cell Reviews and Reports</i> , <b>2021</b> , 17, 1570-1589	7.3	3
198	Characteristics of circRNA and its approach as diagnostic tool in melanoma. <i>Expert Review of Molecular Diagnostics</i> , <b>2021</b> , 21, 1079-1094	3.8	0
197	Targeted Photodynamic Therapy Using Alloyed Nanoparticle-Conjugated 5-Aminolevulinic Acid for Breast Cancer. <i>Pharmaceutics</i> , <b>2021</b> , 13,	6.4	3
196	The Efficacy of Phototherapy for the Treatment of Onychomycosis: An Observational Study. <i>Photonics</i> , <b>2021</b> , 8, 350	2.2	
195	Interactions of multidomain pro-apoptotic and anti-apoptotic proteins in cancer cell death. <i>Oncotarget</i> , <b>2021</b> , 12, 1615-1626	3.3	6
194	The Role of Melanoma Cell-Derived Exosomes (MTEX) and Photodynamic Therapy (PDT) within a Tumor Microenvironment. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	2
193	Role of Phytochemicals in Cancer Chemoprevention: Insights. <i>Antioxidants</i> , <b>2021</b> , 10,	7.1	19
192	Photodynamic Therapy Induced Cell Death Mechanisms in Breast Cancer. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	2
191	Targeted Nanoparticle Photodynamic Diagnosis and Therapy of Colorectal Cancer. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	3
190	Aluminium (III) phthalocyanine chloride tetrasulphonate is an effective photosensitizer for the eradication of lung cancer stem cells. <i>Royal Society Open Science</i> , <b>2021</b> , 8, 210148	3.3	2
189	Enhanced Doxorubicin Delivery in Folate-Overexpressed Breast Cancer Cells Using Mesoporous Carbon Nanospheres.. <i>ACS Omega</i> , <b>2021</b> , 6, 34532-34545	3.9	0
188	Molecular Effectors of Photodynamic Therapy-Mediated Resistance to Cancer Cells.. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	4
187	Photodynamic diagnosis and photodynamic therapy of colorectal cancer and .. <i>RSC Advances</i> , <b>2020</b> , 10, 41560-41576	3.7	11
186	Phototherapy Combined with Carbon Nanomaterials (1D and 2D) and their Applications in Cancer Therapy. <i>Materials</i> , <b>2020</b> , 13,	3.5	17
185	Enhancement of Phthalocyanine Mediated Photodynamic Therapy by Catechin on Lung Cancer Cells. <i>Molecules</i> , <b>2020</b> , 25,	4.8	2
184	Recent Advances in Porphyrin-Based Inorganic Nanoparticles for Cancer Treatment. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	21

183	Effective Gold Nanoparticle-Antibody-Mediated Drug Delivery for Photodynamic Therapy of Lung Cancer Stem Cells. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	22
182	Photobiomodulation and Stem Cell Therapy for Temporomandibular Joint Disc Disorders. <i>Photobiomodulation, Photomedicine, and Laser Surgery</i> , <b>2020</b> , 38, 398-408	2.8	2
181	Photobiomodulation-Induced Differentiation of Immortalized Adipose Stem Cells to Neuronal Cells. <i>Lasers in Surgery and Medicine</i> , <b>2020</b> , 52, 1032-1040	3.6	10
180	Effective Photodynamic Therapy for Colon Cancer Cells Using Chlorin e6 Coated Hyaluronic Acid-Based Carbon Nanotubes. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	21
179	Phototoxic effectiveness of zinc phthalocyanine tetrasulfonic acid on MCF-7 cells with overexpressed P-glycoprotein. <i>Journal of Photochemistry and Photobiology B: Biology</i> , <b>2020</b> , 204, 111811	6.7	8
178	Cytotoxic effects of novel solvothermal synthesised Ag-doped PEGylated WO <sub>3</sub> sheet-like nanocomposites on MCF-7 human breast cancer cells. <i>Journal of Nanoparticle Research</i> , <b>2020</b> , 22, 1	2.3	1
177	Photobiomodulation and the expression of genes related to the JAK/STAT signalling pathway in wounded and diabetic wounded cells. <i>Journal of Photochemistry and Photobiology B: Biology</i> , <b>2020</b> , 204, 111791	6.7	8
176	Review: Organic nanoparticle based active targeting for photodynamic therapy treatment of breast cancer cells. <i>Oncotarget</i> , <b>2020</b> , 11, 2120-2136	3.3	19
175	Effectiveness of Allium sativum on Bacterial Oral Infection <b>2020</b> , 345-369		2
174	Biological Responses of Stem Cells to Photobiomodulation Therapy. <i>Current Stem Cell Research and Therapy</i> , <b>2020</b> , 15, 400-413	3.6	15
173	Exploring the Role of Phytochemicals as Potent Natural Photosensitizers in Photodynamic Therapy. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , <b>2020</b> , 20, 1831-1844	2.2	3
172	Oxygen-Independent Antimicrobial Photoinactivation: Type III Photochemical Mechanism?. <i>Antibiotics</i> , <b>2020</b> , 9,	4.9	24
171	Reactivity trends of cobalt(III) complexes towards various amino acids based on the properties of the amino acid alkyl chains. <i>Acta Crystallographica Section C, Structural Chemistry</i> , <b>2020</b> , 76, 663-672	0.8	1
170	Photobiomodulation at 660 nm Stimulates Fibroblast Differentiation. <i>Lasers in Surgery and Medicine</i> , <b>2020</b> , 52, 671-681	3.6	16
169	The qualification and training of laser/intense pulse light hair removal operators within South Africa. <i>Journal of Cosmetic Dermatology</i> , <b>2020</b> , 19, 1980-1989	2.5	0
168	Potential Treatment of Breast and Lung Cancer Using , an African Medicinal Plant. <i>Molecules</i> , <b>2020</b> , 25,	4.8	3
167	Selective Laser Efficiency of Green-Synthesized Silver Nanoparticles by and Its Wound Healing Activities in Normal Wounded and Diabetic Wounded Fibroblast Cells: In vitro Studies. <i>International Journal of Nanomedicine</i> , <b>2020</b> , 15, 6855-6870	7.3	4
166	Identifying Plant-Based Natural Medicine against Oxidative Stress and Neurodegenerative Disorders. <i>Oxidative Medicine and Cellular Longevity</i> , <b>2020</b> , 2020, 8648742	6.7	6

165	Anti-Proliferative, Analgesic and Anti-Inflammatory Properties of Bark Methanol Extract. <i>Molecules</i> , <b>2020</b> , 25,	4.8	4
164	Nanotechnology in Modern Photodynamic Therapy of Cancer: A Review of Cellular Resistance Patterns Affecting the Therapeutic Response. <i>Pharmaceutics</i> , <b>2020</b> , 12,	6.4	22
163	Role of Bcl-2 Family Proteins in Photodynamic Therapy Mediated Cell Survival and Regulation. <i>Molecules</i> , <b>2020</b> , 25,	4.8	12
162	Redox Potential of Antioxidants in Cancer Progression and Prevention. <i>Antioxidants</i> , <b>2020</b> , 9,	7.1	25
161	Role of Photoactive Phytocompounds in Photodynamic Therapy of Cancer. <i>Molecules</i> , <b>2020</b> , 25,	4.8	21
160	Advancement of Nanobiomaterials to Deliver Natural Compounds for Tissue Engineering Applications. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	6
159	Biopolymer-Based Composites for Medical Applications <b>2020</b> , 20-28		2
158	Simultaneous Photodiagnosis and Photodynamic Treatment of Metastatic Melanoma. <i>Molecules</i> , <b>2019</b> , 24,	4.8	24
157	Differentiation of Mesenchymal Stem Cells to Neuroglia: in the Context of Cell Signalling. <i>Stem Cell Reviews and Reports</i> , <b>2019</b> , 15, 814-826	7.3	32
156	Enhancing Breast Cancer Treatment Using a Combination of Cannabidiol and Gold Nanoparticles for Photodynamic Therapy. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 20,	6.3	37
155	Increased Oxidative Stress Induced by Bioactive Compounds Induce Apoptotic Cell Death in Human Breast Cancer Cells. <i>Oxidative Medicine and Cellular Longevity</i> , <b>2019</b> , 2019, 6797921	6.7	19
154	mTOR Signaling Pathway in Cancer Targets Photodynamic Therapy In Vitro. <i>Cells</i> , <b>2019</b> , 8,	7.9	13
153	The role of photodynamic therapy on multidrug resistant breast cancer. <i>Cancer Cell International</i> , <b>2019</b> , 19, 91	6.4	46
152	The "in's and outs" of laser hair removal: a mini review. <i>Journal of Cosmetic and Laser Therapy</i> , <b>2019</b> , 21, 316-322	1.8	9
151	Role of the PI3K/AKT (mTOR and GSK3 $\beta$ ) signalling pathway and photobiomodulation in diabetic wound healing. <i>Cytokine and Growth Factor Reviews</i> , <b>2019</b> , 50, 52-59	17.9	40
150	Phenolics, tannins, flavonoids and anthocyanins contents influenced antioxidant and anticancer activities of Rubus fruits from Western Ghats, India. <i>Food Science and Human Wellness</i> , <b>2019</b> , 8, 73-81	8.3	28
149	Effect of dose responses of hydrophilic aluminium (III) phthalocyanine chloride tetrasulphonate based photosensitizer on lung cancer cells. <i>Journal of Photochemistry and Photobiology B: Biology</i> , <b>2019</b> , 194, 96-106	6.7	10
148	Can light-based approaches overcome antimicrobial resistance?. <i>Drug Development Research</i> , <b>2019</b> , 80, 48-67	5.1	42

147	Understanding the perspectives of forkhead transcription factors in delayed wound healing. <i>Journal of Cell Communication and Signaling</i> , <b>2019</b> , 13, 151-162	5.2	9
146	The link between advanced glycation end products and apoptosis in delayed wound healing. <i>Cell Biochemistry and Function</i> , <b>2019</b> , 37, 432-442	4.2	16
145	Genetic Aberrations Associated with Photodynamic Therapy in Colorectal Cancer Cells. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 20,	6.3	8
144	The use of lasers and light sources in skin rejuvenation. <i>Clinics in Dermatology</i> , <b>2019</b> , 37, 358-364	3	12
143	Photodynamic therapy of cervical cancer by eradication of cervical cancer cells and cervical cancer stem cells. <i>Oncotarget</i> , <b>2019</b> , 10, 4380-4396	3.3	20
142	Targeted photodynamic therapy treatment of A375 metastatic melanoma cells. <i>Oncotarget</i> , <b>2019</b> , 10, 6079-6095	3.3	11
141	Targeted Photodynamic Therapy as Potential Treatment Modality for the Eradication of Colon Cancer <b>2019</b> ,		3
140	Healing Effects of Photobiomodulation on Diabetic Wounds. <i>Applied Sciences (Switzerland)</i> , <b>2019</b> , 9, 5114.6		5
139	Tetracyclines: light-activated antibiotics?. <i>Future Medicinal Chemistry</i> , <b>2019</b> , 11, 2427-2445	4.1	8
138	The Influence of Light on Reactive Oxygen Species and NF-B in Disease Progression. <i>Antioxidants</i> , <b>2019</b> , 8,	7.1	22
137	Therapeutic Efficacy of Home-Use Photobiomodulation Devices: A Systematic Literature Review. <i>Photobiomodulation, Photomedicine, and Laser Surgery</i> , <b>2019</b> , 37, 4-16	2.8	17
136	Natural options for management of melasma, a review. <i>Journal of Cosmetic and Laser Therapy</i> , <b>2018</b> , 20, 470-481	1.8	6
135	Effect of 660nm visible red light on cell proliferation and viability in diabetic models in vitro under stressed conditions. <i>Lasers in Medical Science</i> , <b>2018</b> , 33, 1085-1093	3.1	16
134	Recent advances on silver nanoparticle and biopolymer-based biomaterials for wound healing applications. <i>International Journal of Biological Macromolecules</i> , <b>2018</b> , 115, 165-175	7.9	148
133	Photobiomodulation at 660nm stimulates proliferation and migration of diabetic wounded cells via the expression of epidermal growth factor and the JAK/STAT pathway. <i>Journal of Photochemistry and Photobiology B: Biology</i> , <b>2018</b> , 179, 74-83	6.7	27
132	A review on nanoparticle based treatment for wound healing. <i>Journal of Drug Delivery Science and Technology</i> , <b>2018</b> , 44, 421-430	4.5	144
131	Cytotoxic, analgesic and anti-inflammatory properties of Syzygium calophyllifolium bark. <i>Biomedicine and Pharmacotherapy</i> , <b>2018</b> , 103, 1079-1085	7.5	6
130	A review of nanoparticle photosensitizer drug delivery uptake systems for photodynamic treatment of lung cancer. <i>Photodiagnosis and Photodynamic Therapy</i> , <b>2018</b> , 22, 147-154	3.5	81



129	Current and Future Trends in Adipose Stem Cell Differentiation into Neuroglia. <i>Photomedicine and Laser Surgery</i> , <b>2018</b> , 36, 230-240		9
128	Characterization of a multiple particle delivery complex and determination of cellular photodamage in skin fibroblast and breast cancer cell lines. <i>Journal of Biophotonics</i> , <b>2018</b> , 11, e201700077	3.1	4
127	Phytochemical composition, antioxidant and anti-bacterial activity of Walp. fruit. <i>Journal of Food Science and Technology</i> , <b>2018</b> , 55, 341-350	3.3	9
126	Photobiomodulation alters matrix protein activity in stressed fibroblast cells in vitro. <i>Journal of Biophotonics</i> , <b>2018</b> , 11, e201700127	3.1	11
125	Cell Adhesion Molecules are Mediated by Photobiomodulation at 660 nm in Diabetic Wounded Fibroblast Cells. <i>Cells</i> , <b>2018</b> , 7,	7.9	13
124	Photodynamic therapy evaluation of methoxypolyethyleneglycol-thiol-SPIONs-gold-meso-tetrakis(4-hydroxyphenyl)porphyrin conjugate against breast cancer cells. <i>Materials Science and Engineering C</i> , <b>2018</b> , 92, 737-744	8.3	24
123	Therapeutic Potential and Recent Advances of Curcumin in the Treatment of Aging-Associated Diseases. <i>Molecules</i> , <b>2018</b> , 23,	4.8	51
122	Photodynamic Therapy for Metastatic Melanoma Treatment: A Review. <i>Technology in Cancer Research and Treatment</i> , <b>2018</b> , 17, 1533033818791795	2.7	56
121	Cellular imaging and folate receptor targeting delivery of gum kondagogu capped gold nanoparticles in cancer cells. <i>International Journal of Biological Macromolecules</i> , <b>2018</b> , 109, 220-230	7.9	35
120	Cellular imaging and bactericidal mechanism of green-synthesized silver nanoparticles against human pathogenic bacteria. <i>Journal of Photochemistry and Photobiology B: Biology</i> , <b>2018</b> , 178, 259-269	6.7	30
119	Photodynamic Therapy, a Potential Therapy for Improve Cancer Management <b>2018</b> ,		3
118	Nano-Mediated Photodynamic Therapy for Cancer: Enhancement of Cancer Specificity and Therapeutic Effects. <i>Nanomaterials</i> , <b>2018</b> , 8,	5.4	22
117	Therapeutic Efficacy of Home-Use Photobiomodulation Devices: A Systematic Literature Review. <i>Photomedicine and Laser Surgery</i> , <b>2018</b> ,		4
116	Inorganic Salts and Antimicrobial Photodynamic Therapy: Mechanistic Conundrums?. <i>Molecules</i> , <b>2018</b> , 23,	4.8	34
115	Apoptotic efficacy of multifaceted biosynthesized silver nanoparticles on human adenocarcinoma cells. <i>Scientific Reports</i> , <b>2018</b> , 8, 14368	4.9	59
114	Evaluation of cell damage induced by irradiated Zinc-Phthalocyanine-gold dendrimeric nanoparticles in a breast cancer cell line. <i>Biomedical Journal</i> , <b>2018</b> , 41, 254-264	7.1	7
113	Role of photobiomodulation on the activation of the Smad pathway via TGF- $\beta$ in wound healing. <i>Journal of Photochemistry and Photobiology B: Biology</i> , <b>2018</b> , 189, 138-144	6.7	27
112	Utilisation of Targeted Nanoparticle Photosensitiser Drug Delivery Systems for the Enhancement of Photodynamic Therapy. <i>Molecules</i> , <b>2018</b> , 23,	4.8	41



111	Targeted Photodynamic Therapy: A Novel Approach to Abolition of Human Cancer Stem Cells. <i>International Journal of Optics</i> , <b>2018</b> , 2018, 1-9	0.9	6
110	Effect of red light and near infrared laser on the generation of reactive oxygen species in primary dermal fibroblasts. <i>Journal of Photochemistry and Photobiology B: Biology</i> , <b>2018</b> , 188, 60-68	6.7	35
109	The Management of Melasma on Skin Types V and VI Using Light Emitting Diode Treatment. <i>Photomedicine and Laser Surgery</i> , <b>2018</b> , 36, 522-529		2
108	Foresight and Evolution. <i>Photomedicine and Laser Surgery</i> , <b>2017</b> , 35, 577-580		
107	Cervical cancer cells (HeLa) response to photodynamic therapy using a zinc phthalocyanine photosensitizer. <i>Journal of Photochemistry and Photobiology B: Biology</i> , <b>2017</b> , 177, 32-38	6.7	28
106	Targeted photodynamic therapy as potential treatment modality for the eradication of colon cancer and colon cancer stem cells. <i>Tumor Biology</i> , <b>2017</b> , 39, 1010428317734691	2.9	46
105	The JAK/STAT signaling pathway and photobiomodulation in chronic wound healing. <i>Cytokine and Growth Factor Reviews</i> , <b>2017</b> , 38, 73-79	17.9	24
104	In vitro combined effect of Doxorubicin and sulfonated zinc Phthalocyanine-mediated photodynamic therapy on MCF-7 breast cancer cells. <i>Tumor Biology</i> , <b>2017</b> , 39, 1010428317727278	2.9	15
103	Susceptibility of Melanoma Skin Cancer to Photoactivated Hypericin versus Aluminium(III) Phthalocyanine Chloride Tetrasulphonate. <i>BioMed Research International</i> , <b>2017</b> , 2017, 5407012	3	10
102	Therapeutic effects of Syzygium mundagam bark methanol extract on type-2 diabetic complications in rats. <i>Biomedicine and Pharmacotherapy</i> , <b>2017</b> , 95, 167-174	7.5	8
101	A novel approach to low-temperature synthesis of cubic HfO nanostructures and their cytotoxicity. <i>Scientific Reports</i> , <b>2017</b> , 7, 9351	4.9	33
100	Nanoparticles for Advanced Photodynamic Therapy of Cancer. <i>Photomedicine and Laser Surgery</i> , <b>2017</b> , 35, 581-588		61
99	The prevalence of osteoarthritic symptoms of the hands amongst female massage therapists. <i>Health SA Gesondheid</i> , <b>2017</b> , 22, 184-193	0.6	2
98	Effect of GNP functionalisation and multiple -methylation of -amyloid residue (32-37) on Gram-positive bacterium. <i>IET Nanobiotechnology</i> , <b>2017</b> , 11, 377-382	2	1
97	Phenolics from Rubus fairholmianus induces cytotoxicity and apoptosis in human breast adenocarcinoma cells. <i>Chemico-Biological Interactions</i> , <b>2017</b> , 275, 178-188	5	6
96	Syzygium mundagam bark methanol extract restores skin to normal in diabetic wounded rats. <i>Biomedicine and Pharmacotherapy</i> , <b>2017</b> , 94, 781-786	7.5	2
95	The Potential Role of Photobiomodulation and Polysaccharide-Based Biomaterials in Wound Healing Applications <b>2017</b> , 211-223		
94	Anticancer effects elicited by combination of Rubus extract with phthalocyanine photosensitiser on MCF-7 human breast cancer cells. <i>Photodiagnosis and Photodynamic Therapy</i> , <b>2017</b> , 19, 266-273	3.5	11

93	Photobiomodulation of breast and cervical cancer stem cells using low-intensity laser irradiation. <i>Tumor Biology</i> , <b>2017</b> , 39, 1010428317706913	2.9	14
92	Phthalocyanine induced phototherapy coupled with Doxorubicin; a promising novel treatment for breast cancer. <i>Expert Review of Anticancer Therapy</i> , <b>2017</b> , 17, 693-702	3.5	17
91	Sustainable one-step synthesis of hierarchical microspheres of PEGylated MoS <sub>2</sub> nanosheets and MoO <sub>3</sub> nanorods: Their cytotoxicity towards lung and breast cancer cells. <i>Applied Surface Science</i> , <b>2017</b> , 396, 8-18	6.7	55
90	Measurement of the main and critical parameters for optimal laser treatment of heart disease. <i>Journal of Physics: Conference Series</i> , <b>2017</b> , 905, 012009	0.3	
89	Modes of Cell Death Induced by Photodynamic Therapy Using Zinc Phthalocyanine in Lung Cancer Cells Grown as a Monolayer and Three-Dimensional Multicellular Spheroids. <i>Molecules</i> , <b>2017</b> , 22,	4.8	10
88	3 Phthalocyanines in photodynamic therapy 51. <i>Series in Cellular and Clinical Imaging</i> , <b>2017</b> , 49-66		
87	Laser Therapy for the Treatment of Onychomycosis: Best Evidence Based Practice or Not?. <i>Clinical Research on Foot &amp; Ankle</i> , <b>2016</b> , 04,		2
86	Cyclodextrin grafted calcium carbonate vaterite particles: efficient system for tailored release of hydrophobic anticancer or hormone drugs. <i>RSC Advances</i> , <b>2016</b> , 6, 104537-104548	3.7	18
85	The role of photobiomodulation on gene expression of cell adhesion molecules in diabetic wounded fibroblasts in vitro. <i>Journal of Photochemistry and Photobiology B: Biology</i> , <b>2016</b> , 161, 368-74	6.7	202
84	Functionalized Silver Nanoparticle Catalyzed [3+2] Cycloaddition Reaction: Greener Route to Substituted-1,2,3-triazolines. <i>Catalysis Letters</i> , <b>2016</b> , 146, 464-473	2.8	3
83	Caspase dependent apoptotic activity of <i>Rubus fairholmianus</i> Gard. on MCF-7 human breast cancer cell lines. <i>Journal of Applied Biomedicine</i> , <b>2016</b> , 14, 211-219	0.6	14
82	Low-Intensity Laser Irradiation at 636 nm Induces Increased Viability and Proliferation in Isolated Lung Cancer Stem Cells. <i>Photomedicine and Laser Surgery</i> , <b>2016</b> , 34, 525-532		15
81	New photosensitizers for photodynamic therapy. <i>Biochemical Journal</i> , <b>2016</b> , 473, 347-64	3.8	968
80	Biochemical responses of isolated lung CSCs after application of low intensity laser irradiation <b>2016</b> ,		3
79	Differentiation Potential of Adipose-Derived Stem Cells When Cocultured with Smooth Muscle Cells, and the Role of Low-Intensity Laser Irradiation. <i>Photomedicine and Laser Surgery</i> , <b>2016</b> , 34, 509-515		13
78	Recent Trends of Biocompatible and Biodegradable Nanoparticles in Drug Delivery: A Review. <i>Current Medicinal Chemistry</i> , <b>2016</b> , 23, 3730-3751	4.3	27
77	A Review on Novel Breast Cancer Therapies: Photodynamic Therapy and Plant Derived Agent Induced Cell Death Mechanisms. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , <b>2016</b> , 16, 793-801	2.2	27
76	The Role of Matrix Metalloproteinases in Diabetic Wound Healing in relation to Photobiomodulation. <i>Journal of Diabetes Research</i> , <b>2016</b> , 2016, 2897656	3.9	87

75	Caspase dependent apoptotic inhibition of melanoma and lung cancer cells by tropical Rubus extracts. <i>Biomedicine and Pharmacotherapy</i> , <b>2016</b> , 80, 193-199	7.5	16
74	Polychromatic Light (480-3400 nm) Upregulates Sensitivity of Tumor Cells to Lysis by Natural Killers. <i>Photomedicine and Laser Surgery</i> , <b>2016</b> , 34, 373-8		2
73	Resistance of lung cancer cells grown as multicellular tumour spheroids to zinc sulfophthalocyanine photosensitization. <i>International Journal of Molecular Sciences</i> , <b>2015</b> , 16, 10185-200	6.3	17
72	Photodynamic effects of gold nanoparticles in a breast cancer cell line (MCF-7)in vitro <b>2015</b> ,		2
71	Cell death pathways and phthalocyanine as an efficient agent for photodynamic cancer therapy. <i>International Journal of Molecular Sciences</i> , <b>2015</b> , 16, 10228-41	6.3	51
70	Downregulation of tumorigenicity and changes in the actin cytoskeleton of murine hepatoma after irradiation with polychromatic visible and IR light. <i>Photomedicine and Laser Surgery</i> , <b>2015</b> , 33, 185-92		4
69	The effects of combined low level laser therapy and mesenchymal stem cells on bone regeneration in rabbit calvarial defects. <i>Journal of Photochemistry and Photobiology B: Biology</i> , <b>2015</b> , 151, 180-5	6.7	33
68	Comparative study between the photodynamic ability of gold and silver nanoparticles in mediating cell death in breast and lung cancer cell lines. <i>Journal of Photochemistry and Photobiology B: Biology</i> , <b>2015</b> , 153, 67-75	6.7	51
67	Conventional podiatric intervention and phototherapy in the treatment of diabetic ulcers. <i>Seminars in Vascular Surgery</i> , <b>2015</b> , 28, 172-83	1.2	7
66	Specific Synthesis of 1,5-Disubstituted-1,2,3-triazolines Catalyzed by Surface Modified Activated Carbon with MsOH. <i>Current Organic Synthesis</i> , <b>2015</b> , 13, 111-115	1.9	
65	In Vitro Antiproliferative Effect of the Acetone Extract of Rubus fairholmianus Gard. Root on Human Colorectal Cancer Cells. <i>BioMed Research International</i> , <b>2015</b> , 2015, 165037	3	10
64	Regioselective Synthesis of 1,5-Disubstituted 1,2,3-Triazoles by Reusable AlCl <sub>3</sub> Immobilized on EA12O <sub>3</sub> . <i>Synthetic Communications</i> , <b>2015</b> , 45, 967-974	1.7	6
63	Expression of genes in normal fibroblast cells (WS1) in response to irradiation at 660nm. <i>Journal of Photochemistry and Photobiology B: Biology</i> , <b>2014</b> , 130, 146-52	6.7	40
62	Induced cell death pathway post photodynamic therapy using a metallophthalocyanine photosensitizer in breast cancer cells. <i>Photomedicine and Laser Surgery</i> , <b>2014</b> , 32, 205-11		17
61	Shedding light on a new treatment for diabetic wound healing: a review on phototherapy. <i>Scientific World Journal, The</i> , <b>2014</b> , 2014, 398412	2.2	55
60	Neuronal Differentiation of Adipose Derived Stem Cells: Progress So Far. <i>International Journal of Photoenergy</i> , <b>2014</b> , 2014, 1-8	2.1	7
59	Multiorganelle Localization of Metallated Phthalocyanine Photosensitizer in Colorectal Cancer Cells (DLD-1 and CaCo-2) Enhances Efficacy of Photodynamic Therapy. <i>International Journal of Photoenergy</i> , <b>2014</b> , 2014, 1-10	2.1	20
58	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. <i>International Journal of Photoenergy</i> , <b>2014</b> , 2014, 1-5	2.1	5

57	Laser Irradiation Alters the Expression Profile of Genes Involved in the Extracellular Matrix In Vitro. <i>International Journal of Photoenergy</i> , <b>2014</b> , 2014, 1-17	2.1	15
56	Green Synthesis of 5-Substituted-1H-1,2,3,4-tetrazoles and 1-Substituted-1H-1,2,3,4-tetrazoles via [3+2] Cycloaddition by Reusable Immobilized AlCl <sub>3</sub> on γ-Al <sub>2</sub> O <sub>3</sub> . <i>Heterocycles</i> , <b>2014</b> , 89, 2137	0.8	11
55	The role of adipose derived stem cells, smooth muscle cells and low intensity laser irradiation (LILI) in tissue engineering and regenerative medicine. <i>Open Life Sciences</i> , <b>2013</b> , 8, 331-336	1.2	
54	Lung cancer stem cells and low-intensity laser irradiation: a potential future therapy?. <i>Stem Cell Research and Therapy</i> , <b>2013</b> , 4, 129	8.3	15
53	Low-intensity laser irradiation at 660 nm stimulates transcription of genes involved in the electron transport chain. <i>Photomedicine and Laser Surgery</i> , <b>2013</b> , 31, 47-53		45
52	Phototoxic effect of photodynamic therapy on lung cancer cells grown as a monolayer and three dimensional multicellular spheroids. <i>Lasers in Surgery and Medicine</i> , <b>2013</b> , 45, 186-94	3.6	19
51	The primary subcellular localization of Zinc phthalocyanine and its cellular impact on viability, proliferation and structure of breast cancer cells (MCF-7). <i>Journal of Photochemistry and Photobiology B: Biology</i> , <b>2013</b> , 120, 171-6	6.7	25
50	Low-level laser therapy may be more effective and less risky than chiropractic manipulative therapy in the management of cervical facet dysfunction. <i>Focus on Alternative and Complementary Therapies</i> , <b>2012</b> , 17, 65-66		
49	Regenerative medicine, stem cells, and low-level laser therapy: future directives. <i>Photomedicine and Laser Surgery</i> , <b>2012</b> , 30, 681-2		31
48	The use of phototherapy in the treatment of diabetic ulcers. <i>Journal of Endocrinology Metabolism and Diabetes of South Africa</i> , <b>2012</b> , 17, 128-132	0.5	3
47	Localization and phototoxic effect of zinc sulfophthalocyanine photosensitizer in human colon (DLD-1) and lung (A549) carcinoma cells (in vitro). <i>Photodiagnosis and Photodynamic Therapy</i> , <b>2012</b> , 9, 52-9	3.5	23
46	Investigating the efficiency of novel metallo-phthalocyanine PDT-induced cell death in MCF-7 breast cancer cells. <i>Photodiagnosis and Photodynamic Therapy</i> , <b>2012</b> , 9, 215-24	3.5	19
45	Collagen production in diabetic wounded fibroblasts in response to low-intensity laser irradiation at 660 nm. <i>Diabetes Technology and Therapeutics</i> , <b>2012</b> , 14, 1110-7	8.1	52
44	Low-intensity laser irradiation at 660 nm stimulates cytochrome c oxidase in stressed fibroblast cells. <i>Lasers in Surgery and Medicine</i> , <b>2012</b> , 44, 429-34	3.6	39
43	Profiling of genes central to human mitochondrial energy metabolism following low intensity laser irradiation <b>2012</b> ,		2
42	Assessment of DNA Damage after Photodynamic Therapy Using a Metallophthalocyanine Photosensitizer. <i>International Journal of Photoenergy</i> , <b>2012</b> , 2012, 1-10	2.1	21
41	Chiropractic manipulative therapy and low-level laser therapy in the management of cervical facet dysfunction: a randomized controlled study. <i>Journal of Manipulative and Physiological Therapeutics</i> , <b>2011</b> , 34, 153-63	1.3	20
40	Inducing stem cell differentiation using low intensity laser irradiation: a possible novel therapeutic intervention. <i>Open Life Sciences</i> , <b>2011</b> , 6, 695-698	1.2	3

39	Effect of a newly synthesized Zn sulfophthalocyanine derivative on cell morphology, viability, proliferation, and cytotoxicity in a human lung cancer cell line (A549). <i>Lasers in Medical Science</i> , <b>2011</b> , 26, 523-30	3.1	17
38	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. <i>Stem Cell Reviews and Reports</i> , <b>2011</b> , 7, 869-82	6.4	57
37	Irradiation at 636 nm positively affects diabetic wounded and hypoxic cells in vitro. <i>Photomedicine and Laser Surgery</i> , <b>2011</b> , 29, 521-30		33
36	Low-intensity laser irradiation stimulates wound healing in diabetic wounded fibroblast cells (WS1). <i>Diabetes Technology and Therapeutics</i> , <b>2010</b> , 12, 971-8	8.1	43
35	Effect of low-level laser irradiation and epidermal growth factor on adult human adipose-derived stem cells. <i>Lasers in Medical Science</i> , <b>2010</b> , 25, 33-9	3.1	83
34	Irradiation at 830 nm stimulates nitric oxide production and inhibits pro-inflammatory cytokines in diabetic wounded fibroblast cells. <i>Lasers in Surgery and Medicine</i> , <b>2010</b> , 42, 494-502	3.6	58
33	The in vitro PDT efficacy of a novel metallophthalocyanine (MPc) derivative and established 5-ALA photosensitizing dyes against human metastatic melanoma cells. <i>Lasers in Surgery and Medicine</i> , <b>2010</b> , 42, 766-76	3.6	17
32	The effects of two metallophthalocyanines on the viability and proliferation of an esophageal cancer cell line. <i>Photomedicine and Laser Surgery</i> , <b>2009</b> , 27, 625-31		7
31	The Use Of Laser Irradiation To Stimulate Adipose Derived Stem Cell Proliferation And Differentiation For Use In Autologous Grafts <b>2009</b> ,		3
30	Phototherapy promotes cell migration in the presence of hydroxyurea. <i>Lasers in Medical Science</i> , <b>2009</b> , 24, 144-50	3.1	6
29	Adipose derived stem cells and smooth muscle cells: implications for regenerative medicine. <i>Stem Cell Reviews and Reports</i> , <b>2009</b> , 5, 256-65	6.4	43
28	Mitochondrial responses of normal and injured human skin fibroblasts following low level laser irradiation--an in vitro study. <i>Photochemistry and Photobiology</i> , <b>2009</b> , 85, 987-96	3.6	42
27	A review of laboratory-based methods to investigate second messengers in low-level laser therapy (LLLT). <i>Medical Laser Application: International Journal for Laser Treatment and Research</i> , <b>2009</b> , 24, 201-215		16
26	DNA damage after phototherapy in wounded fibroblast cells irradiated with 16 J/cm <sup>2</sup> . <i>Journal of Photochemistry and Photobiology B: Biology</i> , <b>2009</b> , 94, 131-7	6.7	22
25	Photodynamic therapy (PDT): a short review on cellular mechanisms and cancer research applications for PDT. <i>Journal of Photochemistry and Photobiology B: Biology</i> , <b>2009</b> , 96, 1-8	6.7	770
24	Laser light influences cellular viability and proliferation in diabetic-wounded fibroblast cells in a dose- and wavelength-dependent manner. <i>Lasers in Medical Science</i> , <b>2008</b> , 23, 11-8	3.1	60
23	The effect of low level laser irradiation on adult human adipose derived stem cells. <i>Lasers in Medical Science</i> , <b>2008</b> , 23, 277-82	3.1	107
22	Efficacy of three different laser wavelengths for in vitro wound healing. <i>Photodermatology Photoimmunology and Photomedicine</i> , <b>2008</b> , 24, 199-210	2.4	59

21	He-Ne Laser Irradiation Stimulates Proliferation and Migration of Diabetic Wounded Fibroblast Cells. <i>Lecture Notes in Electrical Engineering</i> , <b>2008</b> , 221-232	0.2	
20	Time-dependent responses of wounded human skin fibroblasts following phototherapy. <i>Journal of Photochemistry and Photobiology B: Biology</i> , <b>2007</b> , 88, 147-55	6.7	42
19	Influence of broad-spectrum and infrared light in combination with laser irradiation on the proliferation of wounded skin fibroblasts. <i>Photomedicine and Laser Surgery</i> , <b>2007</b> , 25, 159-69		22
18	Effectiveness of helium-neon laser irradiation on viability and cytotoxicity of diabetic-wounded fibroblast cells. <i>Photomedicine and Laser Surgery</i> , <b>2007</b> , 25, 474-81		19
17	How Long After Laser Irradiation Should Cellular Responses be Measured to Determine the Laser Effect?. <i>Journal of Laser Applications</i> , <b>2007</b> , 19, 74-83	2.1	6
16	Irradiation with a 632.8 nm helium-neon laser with 5 J/cm <sup>2</sup> stimulates proliferation and expression of interleukin-6 in diabetic wounded fibroblast cells. <i>Diabetes Technology and Therapeutics</i> , <b>2007</b> , 9, 451-8	8.1	31
15	How Should an Increase in Alkaline Phosphatase Activity Be Interpreted?. <i>Laser Chemistry</i> , <b>2007</b> , 2007, 1-10		0
14	Changes in Cell Viability of Wounded Fibroblasts following Laser Irradiation in Broad-Spectrum or Infrared Light. <i>Laser Chemistry</i> , <b>2007</b> , 2007, 1-10		4
13	Cellular Damage in Diabetic Wounded Fibroblast Cells following Phototherapy at 632.8, 830, and 1064 nm. <i>Laser Chemistry</i> , <b>2007</b> , 2007, 1-9		6
12	In vitro exposure of wounded diabetic fibroblast cells to a helium-neon laser at 5 and 16 J/cm <sup>2</sup> . <i>Photomedicine and Laser Surgery</i> , <b>2007</b> , 25, 78-84		62
11	The role of laser fluence in cell viability, proliferation, and membrane integrity of wounded human skin fibroblasts following helium-neon laser irradiation. <i>Lasers in Surgery and Medicine</i> , <b>2006</b> , 38, 74-83	3.6	197
10	Effect of multiple exposures of low-level laser therapy on the cellular responses of wounded human skin fibroblasts. <i>Photomedicine and Laser Surgery</i> , <b>2006</b> , 24, 705-14		186
9	Apoptotic inducing ability of a novel photosensitizing agent, Ge sulfophthalocyanine, on oesophageal and breast cancer cell lines <b>2006</b> ,		2
8	The effect of Ge, Si and Sn phthalocyanine photosensitizers on cell proliferation and viability of human oesophageal carcinoma cells. <i>Journal of Photochemistry and Photobiology B: Biology</i> , <b>2006</b> , 83, 55-62	6.7	28
7	Effect of wavelength and fluence on morphology, cellular and genetic integrity of diabetic wounded human skin fibroblasts <b>2006</b> , 6140, 41		4
6	Biological effects of helium-neon laser irradiation on normal and wounded human skin fibroblasts. <i>Photomedicine and Laser Surgery</i> , <b>2005</b> , 23, 251-9		94
5	Low level laser therapy (LLLT) as an effective therapeutic modality for delayed wound healing. <i>Annals of the New York Academy of Sciences</i> , <b>2005</b> , 1056, 486-93	6.5	142
4	Calcium intake and knowledge among white adolescent girls in Gauteng, South Africa. <i>South African Journal of Clinical Nutrition</i> , <b>2004</b> , 17, 102-108	1.1	4



- 3 The 9-kDa calbindin gene of *Rousettus aegyptiacus*: its identification and isolation from a genomic library. *Comparative Biochemistry and Physiology Part B: Comparative Biochemistry*, **1994**, 108, 147-55
- 2 Detection of the 9-kDa vitamin D-dependent calbindin gene in a fruit bat (*Rousettus aegyptiacus*) fibroblast cell line. *Comparative Biochemistry and Physiology Part B: Comparative Biochemistry*, **1993**, 104, 629-34
- 1 Photodynamic ability of silver nanoparticles in inducing cytotoxic effects in breast and lung cancer cell lines. *International Journal of Nanomedicine*, 3771 73 6