Michael R. Hamblin

List of Publications by Year in Descending Order

782 papers	50,736 citations	110 h-index	198 g-index
886 ext. papers	61,066 ext. citations	5.7 avg, IF	8.42 L-index

#	Paper	IF	Citations
782	Potential of natural products in the treatment of myocardial infarction: focus on molecular mechanisms.. *Critical Reviews in Food Science and Nutrition*, **2022**, 1-18	11.5	1
781	Smart Strategies for Precise Delivery of CRISPR/Cas9 in Genome Editing.. *ACS Applied Bio Materials*, **2022**,	4.1	2
780	Nanotechnology for cancer theranostics **2022**, 19-36		
779	Photobiomodulation and Light Therapy in Oncology **2022**, 255-286		
778	Non-coding RNAs and glioblastoma: Insight into their roles in metastasis.. *Molecular Therapy - Oncolytics*, **2022**, 24, 262-287	6.4	3
777	Histidine-enhanced gene delivery systems: The state of the art.. *Journal of Gene Medicine*, **2022**, e3415	3.5	3
776	Polylysine for skin regeneration: A review of recent advances and future perspectives.. *Bioengineering and Translational Medicine*, **2022**, 7, e10261	14.8	1
775	Cell cycle involvement in cancer therapy; WEE1 kinase, a potential target as therapeutic strategy.. *Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis*, **2022**, 824, 111776	3.3	2
774	Gold nanostructures: synthesis, properties, and neurological applications.. *Chemical Society Reviews* , **2022**,	58.5	7
773	MicroRNA let-7 and viral infections: focus on mechanisms of action.. *Cellular and Molecular Biology Letters*, **2022**, 27, 14	8.1	4
772	Platinum Nanoparticles in Biomedicine: Preparation, Anti-Cancer Activity, and Drug Delivery Vehicles.. *Frontiers in Pharmacology*, **2022**, 13, 797804	5.6	5
771	Nanomaterials for photothermal and photodynamic cancer therapy. *Applied Physics Reviews*, **2022**, 9, 011317	17.3	5
770	Neuronal differentiation potential of primary and immortalized adipose stem cells by photobiomodulation.. *Journal of Photochemistry and Photobiology B: Biology*, **2022**, 230, 112445	6.7	1
769	Transforming growth factor-beta (TGF-)in prostate cancer: A dual function mediator?. *International Journal of Biological Macromolecules*, **2022**, 206, 435-452	7.9	4
768	Overcoming doxorubicin resistance in cancer: siRNA-loaded nanoarchitectures for cancer gene therapy.. *Life Sciences*, **2022**, 120463	6.8	1
767	Photobiomodulation and Stem Cell on Repair of Osteoporotic Bones.. *Photobiomodulation, Photomedicine, and Laser Surgery*, **2022**, 40, 261-272	2.8	1
766	Molecular and Cellular Mechanisms of Water-Filtered IR **2022**, 273-284		

765	In Vivo Potentiation of Antimicrobial Photodynamic Therapy in a Mouse Model of Fungal Infection by Addition of Potassium Iodide.. *Methods in Molecular Biology*, **2022**, 2451, 621-630	1.4	
764	In Vitro Potentiation of Antimicrobial Photodynamic Inactivation by Addition of Potassium Iodide.. *Methods in Molecular Biology*, **2022**, 2451, 607-619	1.4	
763	Exosomes and MicroRNAs in Biomedical Science. *Synthesis Lectures on Biomedical Engineering*, **2022** , 17, 1-175	0.3	
762	The potential of curcumin for treating spinal cord injury: a meta-analysis study.. *Nutritional Neuroscience*, **2022**, 1-12	3.6	0
761	Nanoscale Bioconjugates: A review of the structural attributes of drug-loaded nanocarrier conjugates for selective cancer therapy. *Heliyon*, **2022**, e09577	3.6	7
760	MicroRNAs as Biomarkers **2022**, 69-77		
759	Non-Coding RNAs and Brain Tumors: Insights Into Their Roles in Apoptosis.. *Frontiers in Cell and Developmental Biology*, **2021**, 9, 792185	5.7	1
758	Smart arginine-equipped polycationic nanoparticles for p/CRISPR delivery into cells. *Nanotechnology*, **2021**, 33,	3.4	1
757	Polyethylenimine-Functionalized Carbon Dots for Delivery of CRISPR/Cas9 Complexes.. *ACS Applied Bio Materials*, **2021**, 4, 7979-7992	4.1	2
756	Local (but not systemic) photobiomodulation treatment reduces mast cell degranulation, eicosanoids, and Th2 cytokines in an experimental model of allergic rhinitis. *Lasers in Medical Science*, **2021**, 1	3.1	
755	Beneficial effects of infrared light-emitting diode in corticosteroid-resistant asthma. *Lasers in Medical Science*, **2021**, 1	3.1	
754	Photodynamic Therapy and Antitumor Immune Response **2021**, 383-402		
753	Neurofilament light chain as a biomarker for diagnosis of multiple sclerosis. *EXCLI Journal*, **2021**, 20, 1308-1325	2.4	
752	Targeting the metabolism of cancer stem cells by energy disruptor molecules. *Critical Reviews in Oncology/Hematology*, **2021**, 169, 103545	7	1
751	Comprehensive analysis of ceRNA networks to determine genes related to prognosis, overall survival, and immune infiltration in clear cell renal carcinoma. *Computers in Biology and Medicine*, **2021**, 105043	7	0
750	Cellulose-Based Nanofibril Composite Materials as a New Approach to Fight Bacterial Infections. *Frontiers in Bioengineering and Biotechnology*, **2021**, 9, 732461	5.8	0
749	Photodynamic therapy for squamous cell carcinoma of the head and neck: narrative review focusing on photosensitizers. *Lasers in Medical Science*, **2021**, 1	3.1	1
748	The Toxic Effect of Silver Nanoparticles on Nerve Cells: A Systematic Review and Meta-Analysis. *Reviews of Environmental Contamination and Toxicology*, **2021**, 257, 93-119	3.5	0

747	RdRp inhibitors and COVID-19: Is molnupiravir a good option?. *Biomedicine and Pharmacotherapy*, **2021**, 146, 112517	7.5	11
746	Antibacterial, antibiofilm, anti-inflammatory, and wound healing effects of nanoscale multifunctional cationic alternating copolymers.. *Bioorganic Chemistry*, **2021**, 119, 105550	5.1	3
745	Exosomes and Lung Cancer: Roles in Pathophysiology, Diagnosis and Therapeutic Applications. *Current Medicinal Chemistry*, **2021**, 28, 308-328	4.3	28
744	Factors Affecting Photodynamic Therapy and Anti-Tumor Immune Response. *Anti-Cancer Agents in Medicinal Chemistry*, **2021**, 21, 123-136	2.2	9
743	Curcumin and its derivatives in cancer therapy: Potentiating antitumor activity of cisplatin and reducing side effects. *Phytotherapy Research*, **2021**,	6.7	14
742	Coumarins and Gastrointestinal Cancer: A New Therapeutic Option?. *Frontiers in Oncology*, **2021**, 11, 752784	3.4	3
741	MicroRNA-155 and antiviral immune responses. *International Immunopharmacology*, **2021**, 101, 108188	5.8	2
740	The role of non-coding RNAs in chemotherapy for gastrointestinal cancers. *Molecular Therapy - Nucleic Acids*, **2021**, 26, 892-926	10.7	4
739	Potential of natural products in osteosarcoma treatment: Focus on molecular mechanisms. *Biomedicine and Pharmacotherapy*, **2021**, 144, 112257	7.5	1
738	The potential application of organoids in breast cancer research and treatment. *Human Genetics*, **2021**, 1	6.3	1
737	Improved wound healing of diabetic foot ulcers using human placenta-derived mesenchymal stem cells in gelatin electrospun nanofibrous scaffolds plus a platelet-rich plasma gel: A randomized clinical trial. *International Immunopharmacology*, **2021**, 101, 108282	5.8	2
736	Photobiomodulation of avian embryos by red laser. *Lasers in Medical Science*, **2021**, 36, 1177-1189	3.1	1
735	Comparison of Fractional Micro-Plasma Radiofrequency and Fractional Microneedle Radiofrequency for the Treatment of Atrophic Acne Scars: A Pilot Randomized Split-Face Clinical Study in China. *Lasers in Surgery and Medicine*, **2021**, 53, 906-913	3.6	3
734	Use of Bacteria in Cancer Therapy: Direct, Drug Delivery and Combination Approaches. *Frontiers in Oncology*, **2021**, 11, 624759	5.3	5
733	Streptococcal bacterial components in cancer therapy. *Cancer Gene Therapy*, **2021**,	5.4	3
732	A preliminary clinical trial comparing wet silver dressings versus wet-to-dry povidone-iodine dressings for wound healing in pemphigus vulgaris patients. *Dermatologic Therapy*, **2021**, 34, e14906	2.2	0
731	Carbon Nanotubes: Smart Drug/Gene Delivery Carriers. *International Journal of Nanomedicine*, **2021**, 16, 1681-1706	7.3	47
730	The role of microRNA-338-3p in cancer: growth, invasion, chemoresistance, and mediators. *Life Sciences*, **2021**, 268, 119005	6.8	29

729	Chitosan-Based Nanoparticles Against Viral Infections. *Frontiers in Cellular and Infection Microbiology*, **2021**, 11, 643953	5.9	18
728	Low-dose photodynamic therapy effect on closure of scratch wounds of normal and diabetic fibroblast cells: An in vitro study. *Journal of Biophotonics*, **2021**, 14, e202100005	3.1	2
727	Immune checkpoint inhibition in classical hodgkin lymphoma. *Expert Review of Anticancer Therapy*, **2021**, 21, 1003-1016	3.5	2
726	Exosomal microRNAs and exosomal long non-coding RNAs in gynecologic cancers. *Gynecologic Oncology*, **2021**, 161, 314-327	4.9	28
725	Photobiomodulation Therapy for Dementia: A Systematic Review of Pre-Clinical and Clinical Studies. *Journal of Alzheimer's Disease*, **2021**, 83, 1431-1452	4.3	6
724	Photobiomodulation prevents PTSD-like memory impairments in rats. *Molecular Psychiatry*, **2021**,	15.1	3
723	Recent advances and challenges of RT-PCR tests for the diagnosis of COVID-19. *Pathology Research and Practice*, **2021**, 221, 153443	3.4	14
722	Biomedical application of chitosan-based nanoscale delivery systems: Potential usefulness in siRNA delivery for cancer therapy. *Carbohydrate Polymers*, **2021**, 260, 117809	10.3	42
721	Photobiomodulation Enhances Memory Processing in Older Adults with Mild Cognitive Impairment: A Functional Near-Infrared Spectroscopy Study. *Journal of Alzheimer's Disease*, **2021**, 83, 1471-1480	4.3	5
720	Transcranial photobiomodulation prevents PTSD-like comorbidities in rats experiencing underwater trauma. *Translational Psychiatry*, **2021**, 11, 270	8.6	3
719	Non-coding RNAs related to angiogenesis in gynecological cancer. *Gynecologic Oncology*, **2021**, 161, 896-912	4.9	16
718	Small interfering RNA (siRNA) to target genes and molecular pathways in glioblastoma therapy: Current status with an emphasis on delivery systems. *Life Sciences*, **2021**, 275, 119368	6.8	25
717	Chimeric Antigen Receptor (CAR) T Cell Therapy for Metastatic Melanoma: Challenges and Road Ahead. *Cells*, **2021**, 10,	7.9	11
716	Turning Toxic Nanomaterials into a Safe and Bioactive Nanocarrier for Co-delivery of DOX/pCRISPR.. *ACS Applied Bio Materials*, **2021**, 4, 5336-5351	4.1	21
715	Angiogenesis-related non-coding RNAs and gastrointestinal cancer. *Molecular Therapy - Oncolytics*, **2021**, 21, 220-241	6.4	12
714	Long non-coding RNAs in the doxorubicin resistance of cancer cells. *Cancer Letters*, **2021**, 508, 104-114	9.9	42
713	The role of SOX family transcription factors in gastric cancer. *International Journal of Biological Macromolecules*, **2021**, 180, 608-624	7.9	18
712	Cell death pathways and viruses: Role of microRNAs. *Molecular Therapy - Nucleic Acids*, **2021**, 24, 487-511	10.7	12

711	Green chemistry and coronavirus. *Sustainable Chemistry and Pharmacy*, **2021**, 21, 100415	3.9	15
710	Antimicrobial photodynamic therapy for oral Candida infection in adult AIDS patients: A pilot clinical trial. *Photodiagnosis and Photodynamic Therapy*, **2021**, 34, 102310	3.5	1
709	Pilot Study on Dose-Dependent Effects of Transcranial Photobiomodulation on Brain Electrical Oscillations: A Potential Therapeutic Target in Alzheimer's Disease. *Journal of Alzheimer's Disease*, **2021**, 83, 1481-1498	4.3	5
708	Advanced Bioresponsive Multitasking Hydrogels in the New Era of Biomedicine. *Advanced Functional Materials*, **2021**, 31, 2104123	15.6	10
707	Development of neoantigens: from identification in cancer cells to application in cancer vaccines. *Expert Review of Vaccines*, **2021**, 1-15	5.2	3
706	Applications of cold atmospheric plasma for transdermal drug delivery: a review. *Drug Delivery and Translational Research*, **2021**, 11, 741-747	6.2	6
705	Transdermal delivery of topical lidocaine in a mouse model is enhanced by treatment with cold atmospheric plasma. *Journal of Cosmetic Dermatology*, **2021**, 20, 626-635	2.5	5
704	Applications of advanced materials in bio-sensing in live cells: Methods and applications. *Materials Science and Engineering C*, **2021**, 121, 111691	8.3	3
703	Crosstalk between long non-coding RNA DLX6-AS1, microRNAs and signaling pathways: A pivotal molecular mechanism in human cancers. *Gene*, **2021**, 769, 145224	3.8	3
702	Polymeric Nanoparticles for Nasal Drug Delivery to the Brain: Relevance to Alzheimer's Disease. *Advanced Therapeutics*, **2021**, 4, 2000076	4.9	20
701	Gynecologic cancers and non-coding RNAs: Epigenetic regulators with emerging roles. *Critical Reviews in Oncology/Hematology*, **2021**, 157, 103192	7	44
700	Molecular beacon strategies for sensing purpose. *TrAC - Trends in Analytical Chemistry*, **2021**, 134, 116143	14.6	17
699	The Photosensitizing Efficacy of Micelles Containing a Porphyrinic Photosensitizer and KI against Resistant Melanoma Cells. *Chemistry - A European Journal*, **2021**, 27, 1990-1994	4.8	2
698	Autoantigen-specific immune tolerance in pathological and physiological cell death: Nanotechnology comes into view. *International Immunopharmacology*, **2021**, 90, 107177	5.8	2
697	Bispecific monoclonal antibodies for targeted immunotherapy of solid tumors: Recent advances and clinical trials. *International Journal of Biological Macromolecules*, **2021**, 167, 1030-1047	7.9	16
696	The potential use of theranostic bacteria in cancer. *Journal of Cellular Physiology*, **2021**, 236, 4184-4194	7	2
695	Development of a graphene oxide-poly lactide nanocomposite as a Smart Drug Delivery System. *International Journal of Biological Macromolecules*, **2021**, 169, 521-531	7.9	18
694	Probable positive effects of the photobiomodulation as an adjunctive treatment in COVID-19: A systematic review. *Cytokine*, **2021**, 137, 155312	4	18

693	Electrospraying as a novel method of particle engineering for drug delivery vehicles. *Journal of Controlled Release*, **2021**, 330, 851-865	11.7	18
692	Theranostic applications of stimulus-responsive systems based on carbon dots. *International Journal of Polymeric Materials and Polymeric Biomaterials*, **2021**, 70, 117-130	3	3
691	Interdisciplinary Approaches to COVID-19. *Advances in Experimental Medicine and Biology*, **2021**, 1318, 923-936	3.6	6
690	Two long non-coding RNAs, CAT179 and CAT 1796, differentiate between benign prostate hyperplasia and prostate cancer. *Archives of Biological Sciences*, **2021**, 33-33	0.7	1
689	Approaches for the integration of big data in translational medicine: single-cell and computational methods. *Annals of the New York Academy of Sciences*, **2021**, 1493, 3-28	6.5	4
688	Effects of therapeutic probiotics on modulation of microRNAs. *Cell Communication and Signaling*, **2021**, 19, 4	7.5	12
687	Autophagy and gastrointestinal cancers: the behind the scenes role of long non-coding RNAs in initiation, progression, and treatment resistance. *Cancer Gene Therapy*, **2021**, 28, 1229-1255	5.4	17
686	Photobiomodulation and Antiviral Photodynamic Therapy in COVID-19 Management. *Advances in Experimental Medicine and Biology*, **2021**, 1318, 517-547	3.6	7
685	Organic dots (O-dots) for theranostic applications: preparation and surface engineering.. *RSC Advances*, **2021**, 11, 2253-2291	3.7	4
684	COVID-19 in patients with cancer: Risks and precautions. *American Journal of Emergency Medicine*, **2021**, 48, 357-360	2.9	5
683	Dendrimers for gene therapy **2021**, 285-309		
682	Modulation of LXR signaling altered the dynamic activity of human colon adenocarcinoma cancer stem cells in vitro. *Cancer Cell International*, **2021**, 21, 100	6.4	3
681	Mechanistic aspects of photobiomodulation therapy in the nervous system. *Lasers in Medical Science*, **2021**, 1	3.1	4
680	Protein-protected metal nanoclusters as diagnostic and therapeutic platforms for biomedical applications. *Materials Today*, **2021**,	21.8	13
679	Ki-67 expression as a diagnostic biomarker in odontogenic cysts and tumors: A systematic review and meta-analysis. *Journal of Dental Research, Dental Clinics, Dental Prospects*, **2021**, 15, 66-75	1	2
678	Infrared radiation from cage bedding moderates rat inflammatory and autoimmune responses in collagen-induced arthritis. *Scientific Reports*, **2021**, 11, 2882	4.9	0
677	Effects of the phenotypic polarization state of human leukocytes on the optical absorbance spectrum. *Journal of Biophotonics*, **2021**, 14, e202000487	3.1	0
676	Hybrid Bionanocomposite Containing Magnesium Hydroxide Nanoparticles Embedded in a Carboxymethyl Cellulose Hydrogel Plus Silk Fibroin as a Scaffold for Wound Dressing Applications. *ACS Applied Materials & Interfaces*, **2021**, 13, 33840-33849	9.5	18

675	Photoneuromodulation makes a difficult cognitive task less arduous. *Scientific Reports*, **2021**, 11, 13688	4.9	3
674	Plant-based vaccines and cancer therapy: Where are we now and where are we going?. *Pharmacological Research*, **2021**, 169, 105655	10.2	2
673	Interplay between SOX9 transcription factor and microRNAs in cancer. *International Journal of Biological Macromolecules*, **2021**, 183, 681-694	7.9	19
672	Emerging role of nanoclays in cancer research, diagnosis, and therapy. *Coordination Chemistry Reviews*, **2021**, 440, 213956	23.2	15
671	A randomized, controlled, split-face study of topical timolol maleate 0.5% eye drops for the treatment of erythematotelangiectatic rosacea. *Journal of Cosmetic Dermatology*, **2021**, 20, 3968-3973	2.5	
670	Bioinspired hydrogels build a bridge from bench to bedside. *Nano Today*, **2021**, 39, 101157	17.9	5
669	Radiolabeled carbon-based nanostructures: New radiopharmaceuticals for cancer therapy?. *Coordination Chemistry Reviews*, **2021**, 440, 213974	23.2	9
668	Dysregulated expression of miRNAs in immune thrombocytopenia. *Epigenomics*, **2021**, 13, 1315-1325	4.4	1
667	Comprehensive review on ultrasound-responsive theranostic nanomaterials: mechanisms, structures and medical applications. *Beilstein Journal of Nanotechnology*, **2021**, 12, 808-862	3	7
666	The effect of femtosecond laser irradiation on the growth kinetics of Staphylococcus aureus: An in vitro study. *Journal of Photochemistry and Photobiology B: Biology*, **2021**, 221, 112240	6.7	3
665	Photobiomodulation of the Brain: Shining Light on Alzheimer's and Other Neuropathological Diseases. *Journal of Alzheimer's Disease*, **2021**, 83, 1395-1397	4.3	2
664	Functionalized magnetic nanoparticles for the separation and purification of proteins and peptides. *TrAC - Trends in Analytical Chemistry*, **2021**, 141, 116291	14.6	16
663	Nanotechnology against COVID-19: Immunization, diagnostic and therapeutic studies. *Journal of Controlled Release*, **2021**, 336, 354-374	11.7	8
662	Alginate scaffolds improve functional recovery after spinal cord injury. *European Journal of Trauma and Emergency Surgery*, **2021**, 1	2.3	0
661	Distribution of gold nanoparticles into the brain: a systematic review and meta-analysis. *Nanotoxicology*, **2021**, 15, 1059-1072	5.3	1
660	Electroconductive multi-functional polypyrrole composites for biomedical applications. *Applied Materials Today*, **2021**, 24, 101117	6.6	9
659	Roles of Non-coding RNAs and Angiogenesis in Glioblastoma. *Frontiers in Cell and Developmental Biology*, **2021**, 9, 716462	5.7	9
658	Applications of scaffold-based advanced materials in biomedical sensing. *TrAC - Trends in Analytical Chemistry*, **2021**, 143, 116342	14.6	2

657	Diagnostic and drug release systems based on microneedle arrays in breast cancer therapy. *Journal of Controlled Release*, **2021**, 338, 341-357	11.7	9
656	Silymarin (milk thistle extract) as a therapeutic agent in gastrointestinal cancer. *Biomedicine and Pharmacotherapy*, **2021**, 142, 112024	7.5	9
655	Hyaluronic acid-based nanoplatforms for Doxorubicin: A review of stimuli-responsive carriers, co-delivery and resistance suppression. *Carbohydrate Polymers*, **2021**, 272, 118491	10.3	25
654	The effect of photobiomodulation therapy on antioxidants and oxidative stress profiles of adipose derived mesenchymal stem cells in diabetic rats. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2021**, 262, 120157	4.4	4
653	3D bioprinting technology to mimic the tumor microenvironment: tumor-on-a-chip concept. *Materials Today Advances*, **2021**, 12, 100160	7.4	3
652	Photodynamic therapy accelerates skin wound healing through promoting re-epithelialization. *Burns and Trauma*, **2021**, 9, tkab008	5.3	2
651	The colorful world of carotenoids: a profound insight on therapeutics and recent trends in nano delivery systems. *Critical Reviews in Food Science and Nutrition*, **2021**, 1-40	11.5	8
650	The Use of Fluorescent Probes to Detect ROS in Photodynamic Therapy. *Methods in Molecular Biology*, **2021**, 2202, 215-229	1.4	6
649	Effect of Transcranial Low-Level Light Therapy vs Sham Therapy Among Patients With Moderate Traumatic Brain Injury: A Randomized Clinical Trial. *JAMA Network Open*, **2020**, 3, e2017337	10.4	11
648	The urgent need for integrated science to fight COVID-19 pandemic and beyond. *Journal of Translational Medicine*, **2020**, 18, 205	8.5	92
647	Photobiomodulation for Alzheimer's Disease: Translating Basic Research to Clinical Application. *Journal of Alzheimer's Disease*, **2020**, 75, 1073-1082	4.3	8
646	The immune system and COVID-19: Friend or foe?. *Life Sciences*, **2020**, 256, 117900	6.8	142
645	COVID-19: Transmission, prevention, and potential therapeutic opportunities. *Clinica Chimica Acta*, **2020**, 508, 254-266	6.2	319
644	Bioresorbable composite polymeric materials for tissue engineering applications. *International Journal of Polymeric Materials and Polymeric Biomaterials*, **2020**, 1-15	3	7
643	TGF-□and WNT signaling pathways in cardiac fibrosis: non-coding RNAs come into focus. *Cell Communication and Signaling*, **2020**, 18, 87	7.5	46
642	Autophagy in cancers including brain tumors: role of MicroRNAs. *Cell Communication and Signaling*, **2020**, 18, 88	7.5	26
641	Nanotechnology for angiogenesis: opportunities and challenges. *Chemical Society Reviews*, **2020**, 49, 5008-5057	58.5	61
640	Non-coding RNAs and Exosomes: Their Role in the Pathogenesis of Sepsis. *Molecular Therapy - Nucleic Acids*, **2020**, 21, 51-74	10.7	65

639	Photobiomodulation for spinal cord injury: A systematic review and meta-analysis. *Physiology and Behavior*, **2020**, 224, 112977	3.5	8
638	Nano-based delivery systems for berberine: A modern anti-cancer herbal medicine. *Colloids and Surfaces B: Biointerfaces*, **2020**, 194, 111188	6	15
637	Efficient photodynamic inactivation of Candida albicans by porphyrin and potassium iodide co-encapsulation in micelles. *Photochemical and Photobiological Sciences*, **2020**, 19, 1063-1071	4.2	11
636	Photobiomodulation-Induced Differentiation of Immortalized Adipose Stem Cells to Neuronal Cells. *Lasers in Surgery and Medicine*, **2020**, 52, 1032-1040	3.6	10
635	Successful treatment of polymorphic light eruption with UVA rush hardening: A report of 5 cases. *Photodermatology Photoimmunology and Photomedicine*, **2020**, 36, 322-323	2.4	1
634	A Microneedling Fractional Radiofrequency Device for the Treatment of Nevus Comedonicus. *Dermatologic Surgery*, **2020**, 46, 148-150	1.7	4
633	A randomized split-face, investigator-blinded study of a picosecond Alexandrite laser for post-inflammatory erythema and acne scars. *Dermatologic Therapy*, **2020**, 33, e13941	2.2	5
632	Nanovehicles for co-delivery of anticancer agents. *Drug Discovery Today*, **2020**, 25, 1416-1430	8.8	21
631	Stimulus-Responsive Sequential Release Systems for Drug and Gene Delivery. *Nano Today*, **2020**, 34,	17.9	65
630	Carbosilane dendrimers: Drug and gene delivery applications. *Journal of Drug Delivery Science and Technology*, **2020**, 59, 101879	4.5	34
629	Nanomicellar-curcumin exerts its therapeutic effects via affecting angiogenesis, apoptosis, and T cells in a mouse model of melanoma lung metastasis. *Pathology Research and Practice*, **2020**, 216, 153082	3.4	26
628	Photobiomodulation plus Adipose-derived Stem Cells Improve Healing of Ischemic Infected Wounds in Type 2 Diabetic Rats. *Scientific Reports*, **2020**, 10, 1206	4.9	16
627	Exosomal miRNAs: novel players in viral infection. *Epigenomics*, **2020**, 12, 353-370	4.4	33
626	Interactions Between Tumor Biology and Targeted Nanoplatforms for Imaging Applications. *Advanced Functional Materials*, **2020**, 30, 1910402	15.6	15
625	Recent advances in nanotechnology-based drug delivery systems for the kidney. *Journal of Controlled Release*, **2020**, 321, 442-462	11.7	54
624	A powerful combination of copper-cysteamine nanoparticles with potassium iodide for bacterial destruction. *Materials Science and Engineering C*, **2020**, 110, 110659	8.3	25
623	Hyaluronic acid-decorated liposomal nanoparticles for targeted delivery of 5-fluorouracil into HT-29 colorectal cancer cells. *Journal of Cellular Physiology*, **2020**, 235, 6817-6830	7	26
622	Photobiomodulation for Parkinson's Disease in Animal Models: A Systematic Review. *Biomolecules*, **2020**, 10,	5.9	18

621	Fluorescent light energy in wound healing: when is a photon something more? **2020**,		3
620	Controlled Gene Delivery Systems: Nanomaterials and Chemical Approaches. *Journal of Biomedical Nanotechnology*, **2020**, 16, 553-582	4	12
619	Cytokine release syndrome: inhibition of pro-inflammatory cytokines as a solution for reducing COVID-19 mortality. *European Cytokine Network*, **2020**, 31, 81-93	3.3	21
618	Innate lymphoid cell subsets and their cytokines in autoimmune diseases. *European Cytokine Network*, **2020**, 31, 118-128	3.3	1
617	Oxygen-Independent Antimicrobial Photoinactivation: Type III Photochemical Mechanism?. *Antibiotics*, **2020**, 9,	4.9	24
616	Enhanced activity of vancomycin by encapsulation in hybrid magnetic nanoparticles conjugated to a cell-penetrating peptide. *Nanoscale*, **2020**, 12, 3855-3870	7.7	64
615	Drug efflux pumps in photodynamic therapy **2020**, 251-276		1
614	Increased Functional Connectivity Within Intrinsic Neural Networks in Chronic Stroke Following Treatment with Red/Near-Infrared Transcranial Photobiomodulation: Case Series with Improved Naming in Aphasia. *Photobiomodulation, Photomedicine, and Laser Surgery*, **2020**, 38, 115-131	2.8	18
613	Combined effects of metformin and photobiomodulation improve the proliferation phase of wound healing in type 2 diabetic rats. *Biomedicine and Pharmacotherapy*, **2020**, 123, 109776	7.5	16
612	Co-delivery of curcumin and Bcl-2 siRNA by PAMAM dendrimers for enhancement of the therapeutic efficacy in HeLa cancer cells. *Colloids and Surfaces B: Biointerfaces*, **2020**, 188, 110762	6	52
611	Circular RNAs and gastrointestinal cancers: Epigenetic regulators with a prognostic and therapeutic role. *Critical Reviews in Oncology/Hematology*, **2020**, 145, 102854	7	107
610	Potassium iodide enhances the photobactericidal effect of methylene blue on Enterococcus faecalis as planktonic cells and as biofilm infection in teeth. *Journal of Photochemistry and Photobiology B: Biology*, **2020**, 203, 111730	6.7	11
609	Photobiomodulation therapy for management of inferior alveolar nerve injury post-extraction of impacted lower third molars. *Lasers in Dental Science*, **2020**, 4, 25-32	0.4	2
608	Comparison of DNA and mRNA vaccines against cancer. *Drug Discovery Today*, **2020**, 25, 552-560	8.8	60
607	Therapeutic potential of intranasal photobiomodulation therapy for neurological and neuropsychiatric disorders: a narrative review. *Reviews in the Neurosciences*, **2020**, 31, 269-286	4.7	15
606	Photodynamic Therapy for Cancer: What's Past is Prologue. *Photochemistry and Photobiology*, **2020**, 96, 506-516	3.6	77
605	MicroRNAs and exosomes: key players in HIV pathogenesis. *HIV Medicine*, **2020**, 21, 246-278	2.7	35
604	Recent advances in porphyrin-based nanocomposites for effective targeted imaging and therapy. *Biomaterials*, **2020**, 232, 119707	15.6	81

603	The effect of chondroitinase ABC and photobiomodulation therapy on neuropathic pain after spinal cord injury in adult male rats. *Physiology and Behavior*, **2020**, 227, 113141	3.5	2
602	Recent progress in the design of DNA vaccines against tuberculosis. *Drug Discovery Today*, **2020**, 25, 1971-1978	8.3	12
601	Light-based technologies for management of COVID-19 pandemic crisis. *Journal of Photochemistry and Photobiology B: Biology*, **2020**, 212, 111999	6.7	31
600	Multivalent nanomedicines to treat COVID-19: A slow train coming. *Nano Today*, **2020**, 35, 100962	17.9	22
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