

# Chulhee Choi

## List of Publications by Citations

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138  
papers

5,310  
citations

42  
h-index

69  
g-index

146  
ext. papers

6,096  
ext. citations

5.9  
avg, IF

5.6  
L-index

#	Paper	IF	Citations
138	Regulation of PDGF signalling and vascular remodelling by peroxiredoxin II. <i>Nature</i> , <b>2005</b> , 435, 347-53	50.4	349
137	Exosome engineering for efficient intracellular delivery of soluble proteins using optically reversible protein-protein interaction module. <i>Nature Communications</i> , <b>2016</b> , 7, 12277	17.4	287
136	Fas ligand/Fas system in the brain: regulator of immune and apoptotic responses. <i>Brain Research Reviews</i> , <b>2004</b> , 44, 65-81		210
135	Role of NADPH oxidase 4 in lipopolysaccharide-induced proinflammatory responses by human aortic endothelial cells. <i>Cardiovascular Research</i> , <b>2006</b> , 72, 447-55	9.9	161
134	Continuous blood cell separation by hydrophoretic filtration. <i>Lab on A Chip</i> , <b>2007</b> , 7, 1532-8	7.2	161
133	Mitochondrial network determines intracellular ROS dynamics and sensitivity to oxidative stress through switching inter-mitochondrial messengers. <i>PLoS ONE</i> , <b>2011</b> , 6, e23211	3.7	138
132	ICAM-1-induced expression of proinflammatory cytokines in astrocytes: involvement of extracellular signal-regulated kinase and p38 mitogen-activated protein kinase pathways. <i>Journal of Immunology</i> , <b>2000</b> , 165, 4658-66	5.3	123
131	Differential regulation and function of Fas expression on glial cells. <i>Journal of Immunology</i> , <b>2000</b> , 164, 1277-85	5.3	115
130	Stromal vascular fraction from adipose tissue forms profound vascular network through the dynamic reassembly of blood endothelial cells. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2011</b> , 31, 1141-50	9.4	109
129	Tumor necrosis factor-related apoptosis-inducing ligand induces caspase-dependent interleukin-8 expression and apoptosis in human astrogloma cells. <i>Molecular and Cellular Biology</i> , <b>2002</b> , 22, 724-36	4.8	107
128	Ginsenosides compound K and Rh(2) inhibit tumor necrosis factor-alpha-induced activation of the NF-kappaB and JNK pathways in human astroglial cells. <i>Neuroscience Letters</i> , <b>2007</b> , 421, 37-41	3.3	106
127	Hyaluronic acid promotes angiogenesis by inducing RHAMM-TGFβ receptor interaction via CD44-PKC. <i>Molecules and Cells</i> , <b>2012</b> , 33, 563-74	3.5	101
126	CXC chemokine receptor 4 expression and function in human astrogloma cells. <i>Journal of Immunology</i> , <b>2001</b> , 166, 2695-704	5.3	98
125	Oxidative stress-induced necrotic cell death via mitochondria-dependent burst of reactive oxygen species. <i>Current Neurovascular Research</i> , <b>2009</b> , 6, 213-22	1.8	96
124	Peroxisredoxin II is an essential antioxidant enzyme that prevents the oxidative inactivation of VEGF receptor-2 in vascular endothelial cells. <i>Molecular Cell</i> , <b>2011</b> , 44, 545-58	17.6	95
123	Label-free characterization of white blood cells by measuring 3D refractive index maps. <i>Biomedical Optics Express</i> , <b>2015</b> , 6, 3865-75	3.5	94
122	Reliable permeability assay system in a microfluidic device mimicking cerebral vasculatures. <i>Biomedical Microdevices</i> , <b>2012</b> , 14, 1141-8	3.7	91

121	Efficient differentiation of human pluripotent stem cells into functional CD34+ progenitor cells by combined modulation of the MEK/ERK and BMP4 signaling pathways. <i>Blood</i> , <b>2010</b> , 116, 5762-72	2.2	91
120	Microfluidic self-sorting of mammalian cells to achieve cell cycle synchrony by hydrophoresis. <i>Analytical Chemistry</i> , <b>2009</b> , 81, 1964-8	7.8	81
119	Sheathless focusing of microbeads and blood cells based on hydrophoresis. <i>Small</i> , <b>2008</b> , 4, 634-41	11	81
118	The WNT antagonist Dickkopf2 promotes angiogenesis in rodent and human endothelial cells. <i>Journal of Clinical Investigation</i> , <b>2011</b> , 121, 1882-93	15.9	78
117	Common-path diffraction optical tomography for investigation of three-dimensional structures and dynamics of biological cells. <i>Optics Express</i> , <b>2014</b> , 22, 10398-407	3.3	75
116	Three-dimensional label-free imaging and quantification of lipid droplets in live hepatocytes. <i>Scientific Reports</i> , <b>2016</b> , 6, 36815	4.9	72
115	Pirfenidone inhibits transforming growth factor- $\beta$ -induced fibrogenesis by blocking nuclear translocation of Smads in human retinal pigment epithelial cell line ARPE-19. <i>Molecular Vision</i> , <b>2012</b> , 18, 1010-20	2.3	71
114	Mesenchymal Stem Cell-Derived Extracellular Vesicles as Therapeutics and as a Drug Delivery Platform. <i>Stem Cells Translational Medicine</i> , <b>2019</b> , 8, 880-886	6.9	69
113	H3K27 Demethylase JMJD3 Employs the NF- $\kappa$ B and BMP Signaling Pathways to Modulate the Tumor Microenvironment and Promote Melanoma Progression and Metastasis. <i>Cancer Research</i> , <b>2016</b> , 76, 161-70	10.1	69
112	Oncostatin M regulation of interleukin-6 expression in astrocytes: biphasic regulation involving the mitogen-activated protein kinases ERK1/2 and p38. <i>Journal of Neurochemistry</i> , <b>2000</b> , 75, 563-75	6	66
111	Reactive oxygen species mediate chloroquine-induced expression of chemokines by human astroglial cells. <i>Glia</i> , <b>2004</b> , 47, 9-20	9	62
110	Hepatitis C virus infection enhances TNF $\alpha$ -induced cell death via suppression of NF- $\kappa$ B. <i>Hepatology</i> , <b>2012</b> , 56, 831-40	11.2	60
109	Exosome-based delivery of super-repressor IB $\beta$ relieves sepsis-associated organ damage and mortality. <i>Science Advances</i> , <b>2020</b> , 6, eaaz6980	14.3	58
108	Hydrophoretic sorting of micrometer and submicrometer particles using anisotropic microfluidic obstacles. <i>Analytical Chemistry</i> , <b>2009</b> , 81, 50-5	7.8	58
107	Hydrophoretic high-throughput selection of platelets in physiological shear-stress range. <i>Lab on a Chip</i> , <b>2011</b> , 11, 413-8	7.2	55
106	Multiplex analysis of cytokines in the serum and cerebrospinal fluid of patients with Alzheimer's disease by color-coded bead technology. <i>Journal of Clinical Neurology (Korea)</i> , <b>2008</b> , 4, 84-8	1.7	54
105	Phenotypic modulation of primary vascular smooth muscle cells by short-term culture on micropatterned substrate. <i>PLoS ONE</i> , <b>2014</b> , 9, e88089	3.7	52
104	Fluorescent microscopy beyond diffraction limits using speckle illumination and joint support recovery. <i>Scientific Reports</i> , <b>2013</b> , 3, 2075	4.9	52

103	Optic atrophy 3 as a protein of the mitochondrial outer membrane induces mitochondrial fragmentation. <i>Cellular and Molecular Life Sciences</i> , <b>2010</b> , 67, 2839-50	10.3	50
102	Fas engagement increases expression of interleukin-6 in human glioma cells. <i>Journal of Neuro-Oncology</i> , <b>2002</b> , 56, 13-9	4.8	50
101	Vascular endothelial growth factor-angiopoietin chimera with improved properties for therapeutic angiogenesis. <i>Circulation</i> , <b>2013</b> , 127, 424-34	16.7	47
100	Dynamic fluorescence imaging of indocyanine green for reliable and sensitive diagnosis of peripheral vascular insufficiency. <i>Microvascular Research</i> , <b>2010</b> , 80, 552-5	3.7	47
99	Endothelial progenitor cells from human dental pulp-derived iPS cells as a therapeutic target for ischemic vascular diseases. <i>Biomaterials</i> , <b>2013</b> , 34, 8149-60	15.6	45
98	Quantitative analysis of peripheral tissue perfusion using spatiotemporal molecular dynamics. <i>PLoS ONE</i> , <b>2009</b> , 4, e4275	3.7	45
97	Characterization of CD8(+)CD57(+) T cells in patients with acute myocardial infarction. <i>Cellular and Molecular Immunology</i> , <b>2015</b> , 12, 466-73	15.4	43
96	Minimally invasive molecular delivery into the brain using optical modulation of vascular permeability. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2011</b> , 108, 9256-61	11.5	42
95	Cyclic-recombinase-reporter mouse model to determine exosome communication and function during pregnancy. <i>American Journal of Obstetrics and Gynecology</i> , <b>2019</b> , 221, 502.e1-502.e12	6.4	41
94	Reciprocal association between visceral obesity and adiponectin: in healthy premenopausal women. <i>International Journal of Cardiology</i> , <b>2005</b> , 101, 385-90	3.2	41
93	Unsorted human adipose tissue-derived stem cells promote angiogenesis and myogenesis in murine ischemic hindlimb model. <i>Microvascular Research</i> , <b>2010</b> , 80, 310-6	3.7	40
92	SoxF Transcription Factors Are Positive Feedback Regulators of VEGF Signaling. <i>Circulation Research</i> , <b>2016</b> , 119, 839-52	15.7	39
91	Chloroquine induces activation of nuclear factor-kappaB and subsequent expression of pro-inflammatory cytokines by human astroglial cells. <i>Journal of Neurochemistry</i> , <b>2003</b> , 84, 1266-74	6	39
90	Dynamic fluorescence imaging for multiparametric measurement of tumor vasculature. <i>Journal of Biomedical Optics</i> , <b>2011</b> , 16, 046008	3.5	38
89	Therapeutic effect of magnesium lithospermate B on neointimal formation after balloon-induced vascular injury. <i>European Journal of Pharmacology</i> , <b>2008</b> , 586, 226-33	5.3	36
88	Peroxisome proliferator activated receptor gamma agonists suppress TNFalpha-induced ICAM-1 expression by endothelial cells in a manner potentially dependent on inhibition of reactive oxygen species. <i>Immunology Letters</i> , <b>2008</b> , 117, 63-9	4.1	31
87	Optogenetic control of cell signaling pathway through scattering skull using wavefront shaping. <i>Scientific Reports</i> , <b>2015</b> , 5, 13289	4.9	30
86	The effect of long-term levodopa therapy on depression level in de novo patients with Parkinson's disease. <i>Journal of the Neurological Sciences</i> , <b>2000</b> , 172, 12-6	3.2	30

85	Blockade of VEGF-A suppresses tumor growth via inhibition of autocrine signaling through FAK and AKT. <i>Cancer Letters</i> , <b>2012</b> , 318, 221-5	9.9	29
84	Proapoptotic ginsenosides compound K and Rh enhance Fas-induced cell death of human astrocytoma cells through distinct apoptotic signaling pathways. <i>Cancer Research and Treatment</i> , <b>2009</b> , 41, 36-44	5.2	29
83	Aqueous extract of the medicinal plant <i>Patrinia villosa</i> Juss. induces angiogenesis via activation of focal adhesion kinase. <i>Microvascular Research</i> , <b>2010</b> , 80, 303-9	3.7	28
82	Differential dependency of human cancer cells on vascular endothelial growth factor-mediated autocrine growth and survival. <i>Cancer Letters</i> , <b>2011</b> , 309, 145-50	9.9	27
81	Ginsenoside F1 suppresses astrocytic senescence-associated secretory phenotype. <i>Chemico-Biological Interactions</i> , <b>2018</b> , 283, 75-83	5	26
80	Hydrogen peroxide enhances TRAIL-induced cell death through up-regulation of DR5 in human astrocytic cells. <i>Biochemical and Biophysical Research Communications</i> , <b>2008</b> , 372, 870-4	3.4	26
79	Trichostatin A enhances proliferation and migration of vascular smooth muscle cells by downregulating thioredoxin 1. <i>Cardiovascular Research</i> , <b>2010</b> , 85, 241-9	9.9	25
78	Blockade of dual-specificity phosphatase 28 decreases chemo-resistance and migration in human pancreatic cancer cells. <i>Scientific Reports</i> , <b>2015</b> , 5, 12296	4.9	23
77	A method for generating a mouse model of stroke: evaluation of parameters for blood flow, behavior, and survival [corrected]. <i>Experimental Neurobiology</i> , <b>2014</b> , 23, 104-14	4	23
76	Diffusion-weighted image and MR spectroscopic analysis of a case of MELAS with repeated attacks. <i>Yonsei Medical Journal</i> , <b>2001</b> , 42, 128-33	3	23
75	Application of novel dynamic optical imaging for evaluation of peripheral tissue perfusion. <i>International Journal of Cardiology</i> , <b>2010</b> , 145, e99-101	3.2	22
74	The emerging role of exosomes as novel therapeutics: Biology, technologies, clinical applications, and the next. <i>American Journal of Reproductive Immunology</i> , <b>2021</b> , 85, e13329	3.8	22
73	Ginsenoside Rg3 Prevents Oxidative Stress-Induced Astrocytic Senescence and Ameliorates Senescence Paracrine Effects on Glioblastoma. <i>Molecules</i> , <b>2017</b> , 22,	4.8	21
72	Noninvasive optical measurement of cerebral blood flow in mice using molecular dynamics analysis of indocyanine green. <i>PLoS ONE</i> , <b>2012</b> , 7, e48383	3.7	19
71	Endoplasmic reticulum-specific BH3-only protein BNIP1 induces mitochondrial fragmentation in a Bcl-2- and Drp1-dependent manner. <i>Journal of Cellular Physiology</i> , <b>2012</b> , 227, 3027-35	7	19
70	N-acetyl cysteine and caffeic acid phenethyl ester sensitize astrocytoma cells to Fas-mediated cell death in a redox-dependent manner. <i>Cancer Letters</i> , <b>2007</b> , 257, 79-86	9.9	19
69	Caspase-1 mediates Fas-induced apoptosis and is up-regulated by interferon-gamma in human astrocytoma cells. <i>Journal of Neuro-Oncology</i> , <b>2004</b> , 67, 167-76	4.8	19
68	Constitutive Expression of MAP Kinase Phosphatase-1 Confers Multi-drug Resistance in Human Glioblastoma Cells. <i>Cancer Research and Treatment</i> , <b>2012</b> , 44, 195-201	5.2	19

67	Exosomal delivery of NF- $\kappa$ B inhibitor delays LPS-induced preterm birth and modulates fetal immune cell profile in mouse models. <i>Science Advances</i> , <b>2021</b> , 7,	14.3	19
66	Induction of intercellular adhesion molecule-1 by Fas ligation: proinflammatory roles of Fas in human astrogloma cells. <i>Neuroscience Letters</i> , <b>2003</b> , 352, 21-4	3.3	18
65	The mitochondrial fusion-related proteins Mfn2 and OPA1 are transcriptionally induced during differentiation of bone marrow progenitors to immature dendritic cells. <i>Molecules and Cells</i> , <b>2015</b> , 38, 89-94	3.5	16
64	Segmental analysis of indocyanine green pharmacokinetics for the reliable diagnosis of functional vascular insufficiency. <i>Journal of Biomedical Optics</i> , <b>2011</b> , 16, 030504	3.5	16
63	Label-free optical activation of astrocyte in vivo. <i>Journal of Biomedical Optics</i> , <b>2011</b> , 16, 075003	3.5	16
62	Autocrine DUSP28 signaling mediates pancreatic cancer malignancy via regulation of PDGF-A. <i>Scientific Reports</i> , <b>2017</b> , 7, 12760	4.9	15
61	Protective role of cytosolic 2-cys peroxiredoxin in the TNF-alpha-induced apoptotic death of human cancer cells. <i>Free Radical Biology and Medicine</i> , <b>2009</b> , 47, 1162-71	7.8	15
60	TRAIL induces MMP-9 expression via ERK activation in human astrocytoma cells. <i>Biochemical and Biophysical Research Communications</i> , <b>2008</b> , 377, 195-9	3.4	15
59	Extracellular vesicles as novel carriers for therapeutic molecules. <i>BMB Reports</i> , <b>2016</b> , 49, 585-586	5.5	15
58	Tapered microtract array platform for antimigratory drug screening of human glioblastoma multiforme. <i>Advanced Healthcare Materials</i> , <b>2015</b> , 4, 405-11	10.1	14
57	Cytosolic irradiation of femtosecond laser induces mitochondria-dependent apoptosis-like cell death via intrinsic reactive oxygen cascades. <i>Scientific Reports</i> , <b>2015</b> , 5, 8231	4.9	14
56	Tumor-conditioned Gr-1(+)CD11b(+) myeloid cells induce angiogenesis through the synergistic action of CCL2 and CXCL16 in vitro. <i>Biochemical and Biophysical Research Communications</i> , <b>2014</b> , 443, 1218-25	3.4	14
55	Biodistribution of Exosomes and Engineering Strategies for Targeted Delivery of Therapeutic Exosomes. <i>Tissue Engineering and Regenerative Medicine</i> , <b>2021</b> , 18, 499-511	4.5	14
54	Contribution of mitochondrial network dynamics to intracellular ROS signaling. <i>Communicative and Integrative Biology</i> , <b>2012</b> , 5, 81-3	1.7	13
53	Oncopression: gene expression compendium for cancer with matched normal tissues. <i>Bioinformatics</i> , <b>2017</b> , 33, 2068-2070	7.2	12
52	Principal component analysis of dynamic fluorescence images for diagnosis of diabetic vasculopathy. <i>Journal of Biomedical Optics</i> , <b>2016</b> , 21, 46003	3.5	12
51	MCP-1 and MIP-3 $\beta$ Secreted from Necrotic Cell-Treated Glioblastoma Cells Promote Migration/Infiltration of Microglia. <i>Cellular Physiology and Biochemistry</i> , <b>2018</b> , 48, 1332-1346	3.9	12
50	Application of femtosecond-pulsed lasers for direct optical manipulation of biological functions. <i>Annalen Der Physik</i> , <b>2013</b> , 525, 205-214	2.6	12

49	Label-free optical control of arterial contraction. <i>Journal of Biomedical Optics</i> , <b>2010</b> , 15, 015006	3.5	12
48	Exosome-based delivery of super-repressor Bcl-2 ameliorates kidney ischemia-reperfusion injury. <i>Kidney International</i> , <b>2021</b> , 100, 570-584	9.9	12
47	Protopanaxatrol type ginsenoside Re promotes cyclic growth of hair follicles via inhibiting transforming growth factor $\beta$ signaling cascades. <i>Biochemical and Biophysical Research Communications</i> , <b>2016</b> , 470, 924-9	3.4	11
46	Downregulation of OPA3 is responsible for transforming growth factor- $\beta$ -induced mitochondrial elongation and F-actin rearrangement in retinal pigment epithelial ARPE-19 cells. <i>PLoS ONE</i> , <b>2013</b> , 8, e63495	3.7	11
45	Mutant ubiquitin UBB+1 induces mitochondrial fusion by destabilizing mitochondrial fission-specific proteins and confers resistance to oxidative stress-induced cell death in astrocytic cells. <i>PLoS ONE</i> , <b>2014</b> , 9, e99937	3.7	11
44	Transcriptional regulation of adrenomedullin by oncostatin M in human astrogloma cells: implications for tumor invasion and migration. <i>Scientific Reports</i> , <b>2014</b> , 4, 6444	4.9	10
43	Transient improvement of pyruvate metabolism after coenzyme Q therapy in Kearns-Sayre syndrome: MRS study. <i>Yonsei Medical Journal</i> , <b>2000</b> , 41, 676-9	3	10
42	Blockade of integrin $\beta$ attenuates human pancreatic cancer via inhibition of EGFR signalling. <i>Scientific Reports</i> , <b>2019</b> , 9, 2793	4.9	9
41	Blood flow characteristics of diabetic patients with complications detected by optical measurement. <i>BioMedical Engineering OnLine</i> , <b>2018</b> , 17, 25	4.1	9
40	Mitofusin 1 inhibits an apoptosis-associated amino-terminal conformational change in Bax, but not its mitochondrial translocation, in a GTPase-dependent manner. <i>Cancer Letters</i> , <b>2012</b> , 323, 62-68	9.9	9
39	Differential regulation of c-Jun N-terminal kinase and NF-kappaB pathway by caffeic acid phenethyl ester in astroglial and monocytic cells. <i>Journal of Neurochemistry</i> , <b>2008</b> , 105, 557-64	6	9
38	Biodistribution and Pharmacokinetics of Liposomes and Exosomes in a Mouse Model of Sepsis. <i>Pharmaceutics</i> , <b>2021</b> , 13,	6.4	9
37	Mutant ubiquitin attenuates interleukin-1 $\beta$ and tumor necrosis factor- $\beta$ -induced pro-inflammatory signaling in human astrocytic cells. <i>PLoS ONE</i> , <b>2013</b> , 8, e67891	3.7	8
36	Blockade of vascular endothelial growth factor sensitizes tumor-associated vasculatures to angiolytic therapy with a high-frequency ultrashort pulsed laser. <i>Microvascular Research</i> , <b>2011</b> , 82, 141-63-7	3.7	8
35	Ginsenoside 20(S)-Protopanaxadiol Suppresses Viability of Human Glioblastoma Cells via Down-regulation of Cell Adhesion Proteins and Cell-cycle Arrest. <i>Anticancer Research</i> , <b>2016</b> , 36, 925-32	2.3	8
34	Combined inhibition of vascular endothelial growth factor receptor signaling with temozolomide enhances cytotoxicity against human glioblastoma cells via downregulation of Neuropilin-1. <i>Journal of Neuro-Oncology</i> , <b>2016</b> , 128, 29-34	4.8	7
33	Evaluation of drug-targetable genes by defining modes of abnormality in gene expression. <i>Scientific Reports</i> , <b>2015</b> , 5, 13576	4.9	7
32	Divergent effect of proteasome inhibition on interleukin-1 $\beta$ and tumor necrosis factor alpha signaling in human astroglial cells. <i>FEBS Letters</i> , <b>2007</b> , 581, 4691-6	3.8	7



31	Optical induction of muscle contraction at the tissue scale through intrinsic cellular amplifiers. <i>Journal of Biophotonics</i> , <b>2014</b> , 7, 597-606	3.1	6
30	Requirement of caspases and p38 MAPK for TRAIL-mediated ICAM-1 expression by human astroglial cells. <i>Immunology Letters</i> , <b>2008</b> , 117, 168-73	4.1	6
29	Enhancement of the photocytotoxic efficiency of sub-12 nm therapeutic polymeric micelles with increased co-localisation in mitochondria. <i>Chemical Communications</i> , <b>2013</b> , 49, 11476-8	5.8	5
28	Robust method for identification of prognostic gene signatures from gene expression profiles. <i>Scientific Reports</i> , <b>2017</b> , 7, 16926	4.9	5
27	Vascular Proteomics Reveal Novel Proteins Involved in SMC Phenotypic Change: OLR1 as a SMC Receptor Regulating Proliferation and Inflammatory Response. <i>PLoS ONE</i> , <b>2015</b> , 10, e0133845	3.7	5
26	Delineating role of ubiquitination on nuclear factor-kappa B pathway by a computational modeling approach. <i>Biochemical and Biophysical Research Communications</i> , <b>2010</b> , 391, 33-7	3.4	5
25	Targeted Delivery of Exosomes Armed with Anti-Cancer Therapeutics.. <i>Membranes</i> , <b>2022</b> , 12,	3.8	5
24	Extra-domain B of fibronectin as an alternative target for drug delivery and a cancer diagnostic and prognostic biomarker for malignant glioma. <i>Theranostics</i> , <b>2021</b> , 11, 941-957	12.1	4
23	Manufacturing Therapeutic Exosomes: from Bench to Industry.. <i>Molecules and Cells</i> , <b>2022</b> , 45, 284-290	3.5	4
22	Rapid and quantitative measurement of cell adhesion and migration activity by time-series analysis on biomimetic topography. <i>Biotechnology and Bioprocess Engineering</i> , <b>2017</b> , 22, 107-113	3.1	3
21	Optical modulation of astrocyte network using ultrashort pulsed laser <b>2012</b> ,		3
20	Strategies for Targeted Delivery of Exosomes to the Brain: Advantages and Challenges.. <i>Pharmaceutics</i> , <b>2022</b> , 14,	6.4	3
19	Induction of neuronal activation by femtosecond-pulsed laser irradiation and its potential application for amyloid- $\beta$ -induced toxicity assessment. <i>Journal of Biophotonics</i> , <b>2017</b> , 10, 311-319	3.1	2
18	Identification of phenotype deterministic genes using systemic analysis of transcriptional response. <i>Scientific Reports</i> , <b>2014</b> , 4, 4413	4.9	2
17	Principal component analysis of indocyanine green fluorescence dynamics for diagnosis of vascular diseases <b>2015</b> ,		2
16	Application of dynamic indocyanine green perfusion imaging for evaluation of vasoactive effect of acupuncture: a preliminary follow-up study on normal healthy volunteers. <i>Medical Devices: Evidence and Research</i> , <b>2014</b> , 7, 17-21	1.5	2
15	Symmetry analysis of time to peak parameter of indocyanine green dynamics <b>2013</b> ,		2
14	Long-term treatment of farnesyltransferase inhibitor FTI-277 induces neurotoxicity of hippocampal neurons from rat embryo in a ROS-dependent manner. <i>Biochemical and Biophysical Research Communications</i> , <b>2010</b> , 403, 91-6	3.4	2



13	Application of Ultrashort-Pulsed Lasers for Optical Manipulation of Biological Functions <b>2017</b> , 717-729		2
12	Extracellular vesicles in kidneys and their clinical potential in renal diseases. <i>Kidney Research and Clinical Practice</i> , <b>2021</b> , 40, 194-207	3.6	2
11	Prolonged silencing of diacylglycerol acyltransferase-1 induces a dedifferentiated phenotype in human liver cells. <i>Journal of Cellular and Molecular Medicine</i> , <b>2016</b> , 20, 38-47	5.6	2
10	Quantitative Biodistribution and Pharmacokinetics Study of GMP-Grade Exosomes Labeled with <sup>89</sup> Zr Radioisotope in Mice and Rats. <i>Pharmaceutics</i> , <b>2022</b> , 14, 1118	6.4	2
9	Identification of novel trans-crosstalk between histone modifications via genome-wide analysis of maximal deletion effect. <i>Genes and Genomics</i> , <b>2015</b> , 37, 693-701	2.1	1
8	Assessment of peripheral tissue perfusion by optical dynamic fluorescence imaging and nonlinear regression modeling <b>2010</b> ,		1
7	Optical control of urinary bladder contraction using femtosecond-pulsed laser <b>2011</b> ,		1
6	Non-invasive optical modulation of local vascular permeability <b>2011</b> ,		1
5	Soluble tumor necrosis factor-related apoptosis-inducing ligand after percutaneous coronary intervention: a potential biomarker for vascular remodeling. <i>Journal of Cardiovascular Medicine</i> , <b>2012</b> , 13, 292-3	1.9	1
4	Therapeutic exosomes for various human diseases: Special issue of BMB Reports in 2022. <i>BMB Reports</i> , <b>2022</b> , 55, 1-2	5.5	0
3	Induction of intercellular adhesion molecule-1 by Fas ligation: proinflammatory roles of Fas in human astroglial cells. <i>Neuroscience Letters</i> , <b>2003</b> , 352, 21-21	3.3	
2	Differential regulation of c-Jun N-terminal kinase and NF- $\kappa$ B pathway by caffeic acid phenethyl ester in astroglial and monocytic cells. <i>Journal of Neurochemistry</i> , <b>2008</b> , 080306024921096-???	6	
1	Application of Ultrashort-Pulsed Lasers for Optical Manipulation of Biological Functions <b>2015</b> , 1-10		