

# Christian Wiraja

## List of Publications by Citations

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

52  
papers

1,077  
citations

19  
h-index

31  
g-index

55  
ext. papers

1,391  
ext. citations

8.9  
avg, IF

4.76  
L-index

#	Paper	IF	Citations
52	Graphene Materials in Antimicrobial Nanomedicine: Current Status and Future Perspectives. <i>Advanced Healthcare Materials</i> , <b>2018</b> , 7, e1701406	10.1	130
51	Near-Infrared Fluorescent Molecular Probe for Sensitive Imaging of Keloid. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 1256-1260	16.4	115
50	Framework nucleic acids as programmable carrier for transdermal drug delivery. <i>Nature Communications</i> , <b>2019</b> , 10, 1147	17.4	106
49	A Concise Review of Gold Nanoparticles-Based Photo-Responsive Liposomes for Controlled Drug Delivery. <i>Nano-Micro Letters</i> , <b>2018</b> , 10, 10	19.5	55
48	Abnormal scar identification with spherical-nucleic-acid technology. <i>Nature Biomedical Engineering</i> , <b>2018</b> , 2, 227-238	19	51
47	Near-Infrared Fluorescent Molecular Probe for Sensitive Imaging of Keloid. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 1270-1274	3.6	41
46	Upconversion Nanoparticle Powered Microneedle Patches for Transdermal Delivery of siRNA. <i>Advanced Healthcare Materials</i> , <b>2020</b> , 9, e1900635	10.1	32
45	Nanosensors for Continuous and Noninvasive Monitoring of Mesenchymal Stem Cell Osteogenic Differentiation. <i>Small</i> , <b>2016</b> , 12, 1342-50	11	32
44	Nitric Oxide Nanosensors for Predicting the Development of Osteoarthritis in Rat Model. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 25128-25137	9.5	29
43	Transdermal delivery of small interfering RNAs with topically applied mesoporous silica nanoparticles for facile skin cancer treatment. <i>Nanoscale</i> , <b>2019</b> , 11, 17041-17051	7.7	28
42	Peptide delivery with poly(ethylene glycol) diacrylate microneedles through swelling effect. <i>Bioengineering and Translational Medicine</i> , <b>2017</b> , 2, 258-267	14.8	28
41	Synergism of Water Shock and a Biocompatible Block Copolymer Potentiates the Antibacterial Activity of Graphene Oxide. <i>Small</i> , <b>2016</b> , 12, 951-62	11	26
40	A Nanoparticle-based Sensor Platform for Cell Tracking and Status/Function Assessment. <i>Scientific Reports</i> , <b>2015</b> , 5, 14768	4.9	25
39	Layer-by-Layer 3D Constructs of Fibroblasts in Hydrogel for Examining Transdermal Penetration Capability of Nanoparticles. <i>SLAS Technology</i> , <b>2017</b> , 22, 447-453	3	23
38	A Double-Layered Microneedle Platform Fabricated through Frozen Spray-Coating. <i>Advanced Healthcare Materials</i> , <b>2020</b> , 9, e2000147	10.1	22
37	Near-infrared light-responsive liposomal contrast agent for photoacoustic imaging and drug release applications. <i>Journal of Biomedical Optics</i> , <b>2017</b> , 22, 41007	3.5	22
36	Improvement of endothelial progenitor outgrowth cell (EPOC)-mediated vascularization in gelatin-based hydrogels through pore size manipulation. <i>Acta Biomaterialia</i> , <b>2017</b> , 58, 225-237	10.8	21

35	Cryomicroneedles for transdermal cell delivery. <i>Nature Biomedical Engineering</i> , <b>2021</b> , 5, 1008-1018	19	20
34	Near-infrared light-sensitive liposomes for enhanced plasmid DNA transfection. <i>Bioengineering and Translational Medicine</i> , <b>2016</b> , 1, 357-364	14.8	19
33	Smart Magnetic Nanosensors Synthesized through Layer-by-Layer Deposition of Molecular Beacons for Noninvasive and Longitudinal Monitoring of Cellular mRNA. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 5877-86	9.5	18
32	Aptamer technology for tracking cells status & function. <i>Molecular and Cellular Therapies</i> , <b>2014</b> , 2, 33		18
31	Interference-free Micro/nanoparticle Cell Engineering by Use of High-Throughput Microfluidic Separation. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 20855-64	9.5	17
30	Molecular beacon-loaded polymeric nanoparticles for non-invasive imaging of mRNA expression. <i>Journal of Materials Chemistry B</i> , <b>2015</b> , 3, 6148-6156	7.3	17
29	Hairpin-structured probe conjugated nano-graphene oxide for the cellular detection of connective tissue growth factor mRNA. <i>Analytica Chimica Acta</i> , <b>2018</b> , 1038, 140-147	6.6	14
28	A self-adhesive microneedle patch with drug loading capability through swelling effect. <i>Bioengineering and Translational Medicine</i> , <b>2020</b> , 5, e10157	14.8	12
27	Nanodelivery Systems for Topical Management of Skin Disorders. <i>Molecular Pharmaceutics</i> , <b>2021</b> , 18, 491-505	5.6	11
26	Temporal pressure enhanced topical drug delivery through micropore formation. <i>Science Advances</i> , <b>2020</b> , 6, eaz6919	14.3	10
25	Nanosensors for regenerative medicine. <i>Journal of Biomedical Nanotechnology</i> , <b>2014</b> , 10, 2722-46	4	10
24	Functional Imaging with Nucleic-Acid-Based Sensors: Technology, Application and Future Healthcare Prospects. <i>ChemBioChem</i> , <b>2019</b> , 20, 437-450	3.8	10
23	Real-Time Imaging of Dynamic Cell Reprogramming with Nanosensors. <i>Small</i> , <b>2018</b> , 14, e1703440	11	9
22	Stabilization and Topical Skin Delivery of Framework Nucleic Acids using Ionic Liquids. <i>Advanced Therapeutics</i> , <b>2020</b> , 3, 2000041	4.9	9
21	Fluorescent Poly(glycerol-co-sebacate) Acrylate Nanoparticles for Stem Cell Labeling and Longitudinal Tracking. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 9528-9538	9.5	8
20	Reprogramming of macrophages with macrophage cell membrane-derived nanoghosts. <i>Nanoscale Advances</i> , <b>2020</b> , 2, 5254-5262	5.1	8
19	Ocular Delivery of Predatory Bacteria with Cryomicroneedles Against Eye Infection. <i>Advanced Science</i> , <b>2021</b> , 8, e2102327	13.6	8
18	Heat shock mediated labelling of <i>Pseudomonas aeruginosa</i> with quantum dots. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2016</b> , 142, 259-265	6	7

17	Molecular Beacon Gold Nanosensors for Leucine-Rich Alpha-2-Glycoprotein-1 Detection in Pathological Angiogenesis. <i>ACS Sensors</i> , <b>2018</b> , 3, 1647-1655	9.2	7
16	Noninvasive Monitoring of Three-Dimensional Chondrogenic Constructs Using Molecular Beacon Nanosensors. <i>Tissue Engineering - Part C: Methods</i> , <b>2017</b> , 23, 12-20	2.9	7
15	Anti-Scarring Drug Screening with Near-Infrared Molecular Probes Targeting Fibroblast Activation Protein- $\alpha$ <i>ACS Applied Bio Materials</i> , <b>2018</b> , 1, 2054-2061	4.1	7
14	Oligonucleotide Molecular Sprinkler for Intracellular Detection and Spontaneous Regulation of mRNA for Theranostics of Scar Fibroblasts. <i>Small</i> , <b>2018</b> , 14, e1802546	11	7
13	Transdermal delivery of Chinese herbal medicine extract using dissolvable microneedles for hypertrophic scar treatment. <i>Acta Pharmaceutica Sinica B</i> , <b>2021</b> , 11, 2937-2944	15.5	7
12	Real-time and non-invasive monitoring of embryonic stem cell survival during the development of embryoid bodies with smart nanosensor. <i>Acta Biomaterialia</i> , <b>2017</b> , 49, 358-367	10.8	5
11	Antimicrobial Nanomedicine: Graphene Materials in Antimicrobial Nanomedicine: Current Status and Future Perspectives (Adv. Healthcare Mater. 13/2018). <i>Advanced Healthcare Materials</i> , <b>2018</b> , 7, 1870050	10.1	5
10	Hydrogel-Based Technologies for the Diagnosis of Skin Pathology. <i>Technologies</i> , <b>2020</b> , 8, 47	2.4	4
9	The effect of temporal manipulation of transforming growth factor beta 3 and fibroblast growth factor 2 on the derivation of proliferative chondrocytes from mesenchymal stem cells-A study monitored by quantitative reverse transcription polymerase chain reaction and molecular beacon based nanosensors. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2018</b> , 106, 895-904	5.4	4
8	Framework Nucleic Acids: A Paradigm Shift in Transdermal Drug Delivery. <i>SLAS Technology</i> , <b>2019</b> , 24, 531-532	3	3
7	Nephrotoxicity Assessment with Human Kidney Tubuloids using Spherical Nucleic Acid-Based mRNA Nanoflares. <i>Nano Letters</i> , <b>2021</b> , 21, 5850-5858	11.5	3
6	Microfluidic Buffer Exchange for Interference-free Micro/Nanoparticle Cell Engineering. <i>Journal of Visualized Experiments</i> , <b>2016</b> ,	1.6	2
5	Targeted Delivery of Anesthetic Agents to Bone Tissues using Conductive Microneedles Enhanced Iontophoresis for Painless Dental Anesthesia. <i>Advanced Functional Materials</i> , 2105686	15.6	2
4	One-step synthesis of amine-coated ultra-small mesoporous silica nanoparticles. <i>Nano Research</i> , <b>2020</b> , 13, 1592-1596	10	1
3	Recent Progress in Skin-on-a-Chip Platforms. <i>Advanced Therapeutics</i> , 2100138	4.9	1
2	Delivery of Wnt inhibitor WIF1 via engineered polymeric microspheres promotes nerve regeneration after sciatic nerve crush.. <i>Journal of Tissue Engineering</i> , <b>2022</b> , 13, 20417314221087417	7.5	0
1	Monitoring Wound Healing with Topically Applied Optical NanoFlare mRNA Nanosensors.. <i>Advanced Science</i> , <b>2022</b> , e2104835	13.6	0