

Nam Sun Wang

List of Publications by Year in descending order

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38
papers

2,316
citations

279487

23
h-index

414034

32
g-index

39
all docs

39
docs citations

39
times ranked

3295
citing authors

#	ARTICLE	IF	CITATIONS
1	Large-Scale Proteomics and Phosphoproteomics of Urinary Exosomes. <i>Journal of the American Society of Nephrology: JASN</i> , 2009, 20, 363-379.	3.0	634
2	Application of macroscopic balances to the identification of gross measurement errors. <i>Biotechnology and Bioengineering</i> , 1983, 25, 2177-2208.	1.7	220
3	Prospects for urinary proteomics: Exosomes as a source of urinary biomarkers (Review Article). <i>Nephrology</i> , 2005, 10, 283-290.	0.7	168
4	Transport Barriers in Transscleral Drug Delivery for Retinal Diseases. <i>Ophthalmic Research</i> , 2007, 39, 244-254.	1.0	145
5	A rabbit model for assessing the ocular barriers to the transscleral delivery of triamcinolone acetonide. <i>Experimental Eye Research</i> , 2006, 82, 479-487.	1.2	139
6	Comparison of cytotoxic and inflammatory responses of photoluminescent silicon nanoparticles with silicon micron-sized particles in RAW 264.7 macrophages. <i>Journal of Applied Toxicology</i> , 2009, 29, 52-60.	1.4	103
7	Chemically surface modified gel (CSMG): An excellent enzyme-immobilization matrix for industrial processes. <i>Journal of Biotechnology</i> , 2006, 125, 395-407.	1.9	76
8	Study of Ocular Transport of Drugs Released from an Intravitreal Implant Using Magnetic Resonance Imaging. <i>Annals of Biomedical Engineering</i> , 2005, 33, 150-164.	1.3	64
9	Drug Elimination Kinetics Following Subconjunctival Injection Using Dynamic Contrast-Enhanced Magnetic Resonance Imaging. <i>Pharmaceutical Research</i> , 2008, 25, 512-520.	1.7	63
10	Assessment of Subconjunctival and Intrasceral Drug Delivery to the Posterior Segment Using Dynamic Contrast-Enhanced Magnetic Resonance Imaging. , 2007, 48, 808.		59
11	Photoassisted Tuning of Silicon Nanocrystal Photoluminescence. <i>Langmuir</i> , 2007, 23, 3388-3394.	1.6	54
12	Extended delivery of non-steroidal anti-inflammatory drugs through contact lenses loaded with Vitamin E and cationic surfactants. <i>Contact Lens and Anterior Eye</i> , 2019, 42, 546-552.	0.8	54
13	Hydrogel-based ocular drug delivery systems for hydrophobic drugs. <i>European Journal of Pharmaceutical Sciences</i> , 2020, 154, 105503.	1.9	53
14	Conjugation of the Photoluminescent Silicon Nanoparticles to Streptavidin. <i>Bioconjugate Chemistry</i> , 2008, 19, 680-685.	1.8	49
15	Oxygen mass transfer enhancement via fermentor headspace pressurization. <i>Biotechnology Progress</i> , 1992, 8, 244-251.	1.3	43
16	Cell inactivation in the presence of sparging and mechanical agitation. <i>Biotechnology and Bioengineering</i> , 1992, 40, 806-816.	1.7	41
17	Computer Applications to Fermentation Processes. <i>Critical Reviews in Biotechnology</i> , 1984, 2, 1-103.	5.1	38
18	Low molecular weight hyaluronic acid effects on murine macrophage nitric oxide production. <i>Journal of Biomedical Materials Research - Part A</i> , 2010, 94A, 893-904.	2.1	35

#	ARTICLE	IF	CITATIONS
19	Measurement of internal tissue optical properties at ultraviolet and visible wavelengths: Development and implementation of a fiberoptic-based system. <i>Optics Express</i> , 2008, 16, 8685.	1.7	34
20	Synthesis of alginate hydrogel capsules and comparison of their stability, water swelling, and diffusion properties with that of Ca ⁺² crosslinked alginate capsules. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2015, 103, 1120-1132.	1.6	32
21	Unified modeling framework of cell death due to bubbles in agitated and sparged bioreactors. <i>Journal of Biotechnology</i> , 1994, 33, 107-122.	1.9	31
22	Enzyme Stabilization and Immobilization by Sol-Gel Entrapment. <i>Methods in Molecular Biology</i> , 2011, 679, 49-66.	0.4	29
23	A Pharmacokinetic and Safety Evaluation of an Episcleral Cyclosporine Implant for Potential Use in High-Risk Keratoplasty Rejection. , 2007, 48, 2023.		26
24	Small-angle neutron scattering measurement of silicon nanoparticle size. <i>Nanotechnology</i> , 2008, 19, 085715.	1.3	26
25	Effect of a Cationic Surfactant on Microemulsion Globules and Drug Release from Hydrogel Contact Lenses. <i>Pharmaceutics</i> , 2019, 11, 262.	2.0	24
26	Characterization of an on-line commercial fluorescence probe: Modeling of the probe signal. <i>Biotechnology and Bioengineering</i> , 1991, 38, 1292-1301.	1.7	13
27	Immobilized thermolysin for highly efficient production of low molecular weight protamine An attractive cell penetrating peptide for macromolecular drug delivery applications. <i>Journal of Biomedical Materials Research - Part A</i> , 2012, 100A, 211-219.	2.1	13
28	Condensed Monte Carlo Modeling of Reflectance From Biological Tissue With a Single Illumination Detection Fiber. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2010, 16, 627-634.	1.9	12
29	Fluorescence modeling in a multicomponent system. <i>Biotechnology and Bioengineering</i> , 1991, 38, 907-922.	1.7	9
30	Defining critical inflammatory parameters for endotoxin impurity in manufactured alginate microcapsules. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2009, 91B, 755-765.	1.6	9
31	Formation of Drug-Participating Catanionic Aggregates for Extended Delivery of Non-Steroidal Anti-Inflammatory Drugs from Contact Lenses. <i>Biomolecules</i> , 2019, 9, 593.	1.8	9
32	Effect of background fluorophores on the NADH fluorescence probe signal. <i>Biotechnology Letters</i> , 1991, 5, 241-246.	0.5	7
33	Effect of Carbon Chain Length, Ionic Strength, and pH on the In Vitro Release Kinetics of Cationic Drugs from Fatty-Acid-Loaded Contact Lenses. <i>Pharmaceutics</i> , 2021, 13, 1060.	2.0	3
34	Cytotoxicity of the photoluminescent silicon nanocrystals. <i>Proceedings of SPIE</i> , 2007, , .	0.8	1
35	Covalent attachment of photoluminescent silicon nanoparticles to streptavidin. , 2007, , .		0
36	Evaluation of a reflectance-based approach for optical property determination in layered tissue. <i>Proceedings of SPIE</i> , 2009, , .	0.8	0

#	ARTICLE	IF	CITATIONS
37	Large-scale LC-MS/MS identification of proteins excreted in urinary exosomes: Gender differences. FASEB Journal, 2007, 21, A1416.	0.2	0
38	Phosphoproteomics of Human Urinary Exosomes. FASEB Journal, 2008, 22, 1158.24.	0.2	0