Nam Sun Wang

List of Publications by Year
in descending order

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	Effect of Carbon Chain Length, Ionic Strength, and pH on the In Vitro Release Kinetics of Cationic Drugs from Fatty-Acid-Loaded Contact Lenses. Pharmaceutics, 2021, 13, 1060.	2.0	3
2	Hydrogel-based ocular drug delivery systems for hydrophobic drugs. European Journal of Pharmaceutical Sciences, 2020, 154, 105503.	1.9	53
3	Formation of Drug-Participating Catanionic Aggregates for Extended Delivery of Non-Steroidal Anti-Inflammatory Drugs from Contact Lenses. Biomolecules, 2019, 9, 593.	1.8	9
4	Effect of a Cationic Surfactant on Microemulsion Globules and Drug Release from Hydrogel Contact Lenses. Pharmaceutics, 2019, 11, 262.	2.0	24
5	Extended delivery of non-steroidal anti-inflammatory drugs through contact lenses loaded with Vitamin E and cationic surfactants. Contact Lens and Anterior Eye, 2019, 42, 546-552.	0.8	54
6	Synthesis of â€œclickâ€•alginate hydrogel capsules and comparison of their stability, water swelling, and diffusion properties with that of Ca‹sup›+2‹/sup› crosslinked alginate capsules. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2015, 103, 1120-1132.	1.6	32
7	Immobilized thermolysin for highly efficient production of lowâ€•molecularâ€•weight protamineâ€”An attractive cellâ€•penetrating peptide for macromolecular drug delivery applications. Journal of Biomedical Materials Research - Part A, 2012, 100A, 211-219.	2.1	13
8	Enzyme Stabilization and Immobilization by Sol-Gel Entrapment. Methods in Molecular Biology, 2011, 679, 49-66.	0.4	29
9	Condensed Monte Carlo Modeling of Reflectance From Biological Tissue With a Single Illuminationâ€“Detection Fiber. IEEE Journal of Selected Topics in Quantum Electronics, 2010, 16, 627-634.	1.9	12
10	Low molecular weight hyaluronic acid effects on murine macrophage nitric oxide production. Journal of Biomedical Materials Research - Part A, 2010, 94A, 893-904.	2.1	35
11	Comparison of cytotoxic and inflammatory responses of photoluminescent silicon nanoparticles with silicon micronâ€•sized particles in RAW 264.7 macrophages. Journal of Applied Toxicology, 2009, 29, 52-60.	1.4	103
12	Defining critical inflammatory parameters for endotoxin impurity in manufactured alginate microcapsules. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2009, 91B, 755-765.	1.6	9
13	Large-Scale Proteomics and Phosphoproteomics of Urinary Exosomes. Journal of the American Society of Nephrology: JASN, 2009, 20, 363-379.	3.0	634
14	Evaluation of a reflectance-based approach for optical property determination in layered tissue. Proceedings of SPIE, 2009, , .	0.8	0
15	Drug Elimination Kinetics Following Subconjunctival Injection Using Dynamic Contrast-Enhanced Magnetic Resonance Imaging. Pharmaceutical Research, 2008, 25, 512-520.	1.7	63
16	Conjugation of the Photoluminescent Silicon Nanoparticles to Streptavidin. Bioconjugate Chemistry, 2008, 19, 680-685.	1.8	49
17	Measurement of internal tissue optical properties at ultraviolet and visible wavelengths: Development and implementation of a fiberoptic-based system. Optics Express, 2008, 16, 8685.	1.7	34
18	Small-angle neutron scattering measurement of silicon nanoparticle size. Nanotechnology, 2008, 19, 085715.	1.3	26

#	Article	IF	Citations
19	Phosphoproteomics of Human Urinary Exosomes. FASEB Journal, 2008, 22, 1158.24.	0.2	0
20	A Pharmacokinetic and Safety Evaluation of an Episcleral Cyclosporine Implant for Potential Use in High-Risk Keratoplasty Rejection. , 2007, 48, 2023.		26
21	Assessment of Subconjunctival and Intrascleral Drug Delivery to the Posterior Segment Using Dynamic Contrast-Enhanced Magnetic Resonance Imaging. , 2007, 48, 808.		59
22	Transport Barriers in Transscleral Drug Delivery for Retinal Diseases. Ophthalmic Research, 2007, 39, 244-254.	1.0	145
23	Cytotoxicity of the photoluminescent silicon nanocrystals. Proceedings of SPIE, 2007, , .	0.8	1
24	Covalent attachment of photoluminescent silicon nanoparticles to streptavidin. , 2007, , .		0
25	Photoassisted Tuning of Silicon Nanocrystal Photoluminescence. Langmuir, 2007, 23, 3388-3394.	1.6	54
26	Largeâ€scale LCâ€MS/MS identification of proteins excreted in urinary exosomes: Gender differences. FASEB Journal, 2007, 21, A1416.	0.2	0
27	Chemically surface modified gel (CSMG): An excellent enzyme-immobilization matrix for industrial processes. Journal of Biotechnology, 2006, 125, 395-407.	1.9	76
28	A rabbit model for assessing the ocular barriers to the transscleral delivery of triamcinolone acetonide. Experimental Eye Research, 2006, 82, 479-487.	1.2	139
29	Prospects for urinary proteomics: Exosomes as a source of urinary biomarkers (Review Article). Nephrology, 2005, 10, 283-290.	0.7	168
30	Study of Ocular Transport of Drugs Released from an Intravitreal Implant Using Magnetic Resonance Imaging. Annals of Biomedical Engineering, 2005, 33, 150-164.	1.3	64
31	Unified modeling framework of cell death due to bubbles in agitated and sparged bioreactors. Journal of Biotechnology, 1994, 33, 107-122.	1.9	31
32	Oxygen mass transfer enhancement via fermentor headspace pressurization. Biotechnology Progress, 1992, 8, 244-251.	1.3	43
33	Cell inactivation in the presence of sparging and mechanical agitation. Biotechnology and Bioengineering, 1992, 40, 806-816.	1.7	41
34	Fluorescence modeling in a multicomponent system. Biotechnology and Bioengineering, 1991, 38, 907-922.	1.7	9
35	Characterization of an on-line commercial fluorescence probe: Modeling of the probe signal. Biotechnology and Bioengineering, 1991, 38, 1292-1301.	1.7	13
36	Effect of background fluorophores on the NADH fluorescence probe signal. Biotechnology Letters, 1991, 5, 241-246.	0.5	7

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37	Computer Applications to Fermentation Processes. Critical Reviews in Biotechnology, 1984, 2, 1-103.	5.1	38
38	Application of macroscopic balances to the identification of gross measurement errors. Biotechnology and Bioengineering, 1983, 25, 2177-2208.	1.7	220