Ki Su Kim

List of Publications by Year
in descending order

45 papers	2,788 citations	304602 22 h-index	254106 43 g-index
47 all docs	47 docs citations	47 times ranked	4718 citing authors

#	Article	IF	Citations
1	Target specific and long-acting delivery of protein, peptide, and nucleotide therapeutics using hyaluronic acid derivatives. Journal of Controlled Release, 2010, 141, 2-12.	4.8	468
2	Nanographene Oxideâ€“Hyaluronic Acid Conjugate for Photothermal Ablation Therapy of Skin Cancer. ACS Nano, 2014, 8, 260-268.	7.3	208
3	Glucoseâ€Sensitive Hydrogel Optical Fibers Functionalized with Phenylboronic Acid. Advanced Materials, 2017, 29, 1606380.	11.1	206
4	Recent advances in transdermal drug delivery systems: a review. Biomaterials Research, 2021, 25, 24.	3.2	188
5	Bioabsorbable polymer optical waveguides for deep-tissue photomedicine. Nature Communications, 2016, 7, 10374.	5.8	173
6	Bioimaging of Hyaluronic Acid Derivatives Using Nanosized Carbon Dots. Biomacromolecules, 2012, 13, 2554-2561.	2.6	162
7	Photonic hydrogel sensors. Biotechnology Advances, 2016, 34, 250-271.	6.0	157
8	Multifunctional Photonic Nanomaterials for Diagnostic, Therapeutic, and Theranostic Applications. Advanced Materials, 2018, 30, 1701460.	11.1	137
9	Bioimaging for Targeted Delivery of Hyaluronic Acid Derivatives to the Livers in Cirrhotic Mice Using Quantum Dots. ACS Nano, 2010, 4, 3005-3014.	7.3	127
10	State of the Art Biocompatible Gold Nanoparticles for Cancer Theragnosis. Pharmaceutics, 2020, 12, 701.	2.0	91
11	Hyaluronic Acid-Based Theranostic Nanomedicines for Targeted Cancer Therapy. Cancers, 2020, 12, 940.	1.7	89
12	Upconversion Nanoparticles/Hyaluronateâ€“Rose Bengal Conjugate Complex for Noninvasive Photochemical Tissue Bonding. ACS Nano, 2017, 11, 9979-9988.	7.3	81
13	The fabrication, characterization and application of aptamer-functionalized Si-nanowire FET biosensors. Nanotechnology, 2009, 20, 235501.	1.3	76
14	Biodegradable Photonic Melanoidin for Theranostic Applications. ACS Nano, 2016, 10, 822-831.	7.3	69
15	Light-Guided Nanomotor Systems for Autonomous Photothermal Cancer Therapy. ACS Applied Materials & Interfaces, 2018, 10, 2338-2346.	4.0	64
16	Noninvasive Transdermal Vaccination Using Hyaluronan Nanocarriers and Laser Adjuvant. Advanced Functional Materials, 2016, 26, 2512-2522.	7.8	52
17	Optical lens-microneedle array for percutaneous light delivery. Biomedical Optics Express, 2016, 7, 4220.	1.5	48
18	Targeted Hyaluronateâ€“Hollow Gold Nanosphere Conjugate for Anti-Obesity Photothermal Lipolysis. ACS Biomaterials Science and Engineering, 2017, 3, 3646-3653.	2.6	33

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19	Transdermal delivery of Minoxidil using HA-PLGA nanoparticles for the treatment in alopecia. Biomaterials Research, 2019, 23, 16.	3.2	30
20	A Simple Approach to Biological Singleâ€Cell Lasers Via Intracellular Dyes. Advanced Optical Materials, 2015, 3, 1197-1200.	3.6	28
21	Multimodal Cancer Theranosis Using Hyaluronateâ€Conjugated Molybdenum Disulfide. Advanced Healthcare Materials, 2019, 8, e1801036.	3.9	26
22	Multifunctional Nanodroplets Encapsulating Naphthalocyanine and Perfluorohexane for Bimodal Image-Guided Therapy. Biomacromolecules, 2019, 20, 3767-3777.	2.6	25
23	Combinatorial wound healing therapy using adhesive nanofibrous membrane equipped with wearable LED patches for photobiomodulation. Science Advances, 2022, 8, eabn1646.	4.7	25
24	In vivo real-time confocal microscopy for target-specific delivery of hyaluronic acid-quantum dot conjugates. Nanomedicine: Nanotechnology, Biology, and Medicine, 2012, 8, 1070-1073.	1.7	23
25	Gold half-shell coated hyaluronic acid-doxorubicin conjugate micelles for theranostic applications. Macromolecular Research, 2012, 20, 277-282.	1.0	23
26	Recent Trends in Photoacoustic Imaging Techniques for 2D Nanomaterial-Based Phototherapy. Biomedicines, 2021, 9, 80.	1.4	23
27	Self-adjuvanted hyaluronate â€“ antigenic peptide conjugate for transdermal treatment of muscular dystrophy. Biomaterials, 2016, 81, 93-103.	5.7	21
28	Degradable Nanomotors Using Platinum Deposited Complex of Calcium Carbonate and Hyaluronate Nanogels for Targeted Drug Delivery. Particle and Particle Systems Characterization, 2020, 37, 1900418.	1.2	20
29	Facile Surface Modification and Application of Temperature Responsive Poly(Nâ€isopropylacrylamideâ€coâ€dopamine methacrylamide). Macromolecular Chemistry and Physics, 2012, 213, 2130-2135.	1.1	18
30	Two-Dimensional Theranostic Nanomaterials in Cancer Treatment: State of the Art and Perspectives. Cancers, 2020, 12, 1657.	1.7	15
31	Recent Advances in Hollow Gold Nanostructures for Biomedical Applications. Frontiers in Chemistry, 2021, 9, 699284.	1.8	11
32	Non-Invasive Topical Drug-Delivery System Using Hyaluronate Nanogels Crosslinked via Click Chemistry. Materials, 2021, 14, 1504.	1.3	10
33	Characterization of PEGylated Anti-VEGF aptamers using surface plasmon resonance. Macromolecular Research, 2008, 16, 182-184.	1.0	8
34	Hyaluronate â€“ parathyroid hormone peptide conjugate for transdermal treatment of osteoporosis. Journal of Biomaterials Science, Polymer Edition, 2018, 29, 793-804.	1.9	8
35	Graphene-Based Nanomaterials as Drug Delivery Carriers. Advances in Experimental Medicine and Biology, 2022, 1351, 109-124.	0.8	8
36	Designing inorganic nanoparticles into computed tomography and magnetic resonance (CT/MR) imaging-guidable photomedicines. Materials Today Nano, 2022, 18, 100187.	2.3	8

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37	Graphene-Based Nanomaterials for Biomedical Imaging. Advances in Experimental Medicine and Biology, 2022, 1351, 125-148.	0.8	7
38	Rotating Cylinderâ€Assisted Nanoimprint Lithography for Enhanced Chemisorbable Filtration Complemented by Molecularly Imprinted Polymers. Small, 2021, 17, e2105733.	5.2	6
39	Electroceutical Residue-Free Graphene Device for Dopamine Monitoring and Neural Stimulation. ACS Biomaterials Science and Engineering, 2019, 5, 2013-2020.	2.6	5
40	Role of Graphene Family Nanomaterials in Skin Wound Healing and Regeneration. Advances in Experimental Medicine and Biology, 2022, 1351, 89-105.	0.8	5
41	In Situ Crosslinkable Collagen-Based Hydrogels for 3D Printing of Dermis-Mimetic Constructs. ECS Journal of Solid State Science and Technology, 2022, 11, 045014.	0.9	4
42	Cancer Theranosis: Multimodal Cancer Theranosis Using Hyaluronate-Conjugated Molybdenum Disulfide (Adv. Healthcare Mater. 1/2019). Advanced Healthcare Materials, 2019, 8, 1970002.	3.9	1
43	Real-time bioimaging of hyaluronic acid derivatives using quantum dots for biopharmaceutical delivery applications. , 2010, , .		0
44	Vaccines: Noninvasive Transdermal Vaccination Using Hyaluronan Nanocarriers and Laser Adjuvant (Adv. Funct. Mater. 15/2016). Advanced Functional Materials, 2016, 26, 2511-2511.	7.8	0
45	Terbium-doped Mesoporous Silica Nanoparticles for Bioimaging Purposes. , 2021, , .		0