

Sei Kwang Hahn

List of Publications by Year in descending order

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Version: 2024-02-01

176
papers

10,747
citations

23567

58
h-index

36028

97
g-index

183
all docs

183
docs citations

183
times ranked

14982
citing authors

#	ARTICLE	IF	CITATIONS
1	Target specific and long-acting delivery of protein, peptide, and nucleotide therapeutics using hyaluronic acid derivatives. <i>Journal of Controlled Release</i> , 2010, 141, 2-12.	9.9	468
2	In situ-forming injectable hydrogels for regenerative medicine. <i>Progress in Polymer Science</i> , 2014, 39, 1973-1986.	24.7	435
3	Multifunctional materials for implantable and wearable photonic healthcare devices. <i>Nature Reviews Materials</i> , 2020, 5, 149-165.	48.7	403
4	Light-guiding hydrogels for cell-based sensing and optogenetic synthesis in vivo. <i>Nature Photonics</i> , 2013, 7, 987-994.	31.4	287
5	Wireless smart contact lens for diabetic diagnosis and therapy. <i>Science Advances</i> , 2020, 6, eaba3252.	10.3	255
6	Bioorthogonal Copper-Free Click Chemistry In Vivo for Tumor-Targeted Delivery of Nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 11836-11840.	13.8	235
7	In Situ Supramolecular Assembly and Modular Modification of Hyaluronic Acid Hydrogels for 3D Cellular Engineering. <i>ACS Nano</i> , 2012, 6, 2960-2968.	14.6	229
8	Nanographene Oxide-Hyaluronic Acid Conjugate for Photothermal Ablation Therapy of Skin Cancer. <i>ACS Nano</i> , 2014, 8, 260-268.	14.6	208
9	Three-dimensional bioprinting of multilayered constructs containing human mesenchymal stromal cells for osteochondral tissue regeneration in the rabbit knee joint. <i>Biofabrication</i> , 2016, 8, 014102.	7.1	200
10	Optimization of microbial poly(3-hydroxybutyrate) recover using dispersions of sodium hypochlorite solution and chloroform. <i>Biotechnology and Bioengineering</i> , 1994, 44, 256-261.	3.3	196
11	Single-File Diffusion of Protein Drugs through Cylindrical Nanochannels. <i>ACS Nano</i> , 2010, 4, 3817-3822.	14.6	187
12	Hyaluronate-Gold Nanoparticle/Tocilizumab Complex for the Treatment of Rheumatoid Arthritis. <i>ACS Nano</i> , 2014, 8, 4790-4798.	14.6	178
13	Bioabsorbable polymer optical waveguides for deep-tissue photomedicine. <i>Nature Communications</i> , 2016, 7, 10374.	12.8	173
14	Mechanical properties and degradation behaviors of hyaluronic acid hydrogels cross-linked at various cross-linking densities. <i>Carbohydrate Polymers</i> , 2007, 70, 251-257.	10.2	166
15	Production of poly(3-hydroxybutyrate) by high cell density fed-batch culture of <i>Alcaligenes eutrophus</i> with phosphate limitation. , 1997, 55, 28-32.		162
16	Bioimaging of Hyaluronic Acid Derivatives Using Nanosized Carbon Dots. <i>Biomacromolecules</i> , 2012, 13, 2554-2561.	5.4	162
17	Target Specific Intracellular Delivery of siRNA/PEI-HA Complex by Receptor Mediated Endocytosis. <i>Molecular Pharmaceutics</i> , 2009, 6, 727-737.	4.6	159
18	Hyaluronic Acid-Quantum Dot Conjugates for In Vivo Lymphatic Vessel Imaging. <i>ACS Nano</i> , 2009, 3, 1389-1398.	14.6	157

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19	Photonic hydrogel sensors. <i>Biotechnology Advances</i> , 2016, 34, 250-271.	11.7	157
20	Hyaluronic Acid-Gold Nanoparticle/Interferon β Complex for Targeted Treatment of Hepatitis C Virus Infection. <i>ACS Nano</i> , 2012, 6, 9522-9531.	14.6	149
21	Target-Specific Gene Silencing of Layer-by-Layer Assembled Gold-Cysteamine/siRNA/PEI/HA Nanocomplex. <i>ACS Nano</i> , 2011, 5, 6138-6147.	14.6	145
22	Hyaluronic acid-polyethyleneimine conjugate for target specific intracellular delivery of siRNA. <i>Biopolymers</i> , 2008, 89, 635-642.	2.4	141
23	Hyaluronate and its derivatives for customized biomedical applications. <i>Biomaterials</i> , 2017, 123, 155-171.	11.4	139
24	Biodegradable Nitrogen-Doped Carbon Nanodots for Non-Invasive Photoacoustic Imaging and Photothermal Therapy. <i>Theranostics</i> , 2016, 6, 2196-2208.	10.0	138
25	Multifunctional Photonic Nanomaterials for Diagnostic, Therapeutic, and Theranostic Applications. <i>Advanced Materials</i> , 2018, 30, 1701460.	21.0	137
26	Development of a novel sustained release formulation of recombinant human growth hormone using sodium hyaluronate microparticles. <i>Journal of Controlled Release</i> , 2005, 104, 323-335.	9.9	135
27	Electrical detection of VEGFs for cancer diagnoses using anti-vascular endothelial growth factor aptamer-modified Si nanowire FETs. <i>Biosensors and Bioelectronics</i> , 2009, 24, 1801-1805.	10.1	133
28	Bioimaging for Targeted Delivery of Hyaluronic Acid Derivatives to the Livers in Cirrhotic Mice Using Quantum Dots. <i>ACS Nano</i> , 2010, 4, 3005-3014.	14.6	127
29	Target specific tumor treatment by VEGF siRNA complexed with reducible polyethyleneimine-hyaluronic acid conjugate. <i>Biomaterials</i> , 2010, 31, 5258-5265.	11.4	125
30	Injectable hyaluronic acid-tyramine hydrogels for the treatment of rheumatoid arthritis. <i>Acta Biomaterialia</i> , 2011, 7, 666-674.	8.3	114
31	Photodynamic therapy of melanoma skin cancer using carbon dot-chlorin e6-hyaluronate conjugate. <i>Acta Biomaterialia</i> , 2015, 26, 295-305.	8.3	110
32	Effect of Cross-Linking Reagents for Hyaluronic Acid Hydrogel Dermal Fillers on Tissue Augmentation and Regeneration. <i>Bioconjugate Chemistry</i> , 2010, 21, 240-247.	3.6	109
33	The Topographic Effect of Zinc Oxide Nanoflowers on Osteoblast Growth and Osseointegration. <i>Advanced Materials</i> , 2010, 22, 4857-4861.	21.0	107
34	Transdermal delivery of hyaluronic acid-Human growth hormone conjugate. <i>Biomaterials</i> , 2012, 33, 5947-5954.	11.4	103
35	3D Tissue Engineered Supramolecular Hydrogels for Controlled Chondrogenesis of Human Mesenchymal Stem Cells. <i>Biomacromolecules</i> , 2014, 15, 707-714.	5.4	102
36	Anti-inflammatory drug delivery from hyaluronic acid hydrogels. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2004, 15, 1111-1119.	3.5	98

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37	Solid Free-Form Fabrication of Tissue-Engineering Scaffolds with a Poly(lactic-co-glycolic acid) Grafted Hyaluronic Acid Conjugate Encapsulating an Intact Bone Morphogenetic Protein-2/Poly(ethylene Terephthalate) Nanofiber. <i>Journal of Biomedical Materials Research Part B</i> , 2014, 106, 1033-1041.	10.7	114
38	Application of microstereolithography in the development of three-dimensional cartilage regeneration scaffolds. <i>Biomedical Microdevices</i> , 2008, 10, 233-241.	2.8	92
39	Urease-Powered Polydopamine Nanomotors for Intravesical Therapy of Bladder Diseases. <i>ACS Nano</i> , 2020, 14, 6683-6692.	14.6	88
40	Guided bone regeneration by poly(lactic-co-glycolic acid) grafted hyaluronic acid bi-layer films for periodontal barrier applications. <i>Acta Biomaterialia</i> , 2009, 5, 3394-3403.	8.3	86
41	Synthesis and degradation test of hyaluronic acid hydrogels. <i>International Journal of Biological Macromolecules</i> , 2007, 40, 374-380.	7.5	85
42	Control of the molecular degradation of hyaluronic acid hydrogels for tissue augmentation. <i>Journal of Biomedical Materials Research - Part A</i> , 2008, 86A, 685-693.	4.0	85
43	Hyaluronate-Epidermal Growth Factor Conjugate for Skin Wound Healing and Regeneration. <i>Biomacromolecules</i> , 2016, 17, 3694-3705.	5.4	84
44	Surface Modification of Multipass Caliber-Rolled Ti Alloy with Dexamethasone-Loaded Graphene for Dental Applications. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 9598-9607.	8.0	82
45	Upconversion Nanoparticles/Hyaluronate-Rose Bengal Conjugate Complex for Noninvasive Photochemical Tissue Bonding. <i>ACS Nano</i> , 2017, 11, 9979-9988.	14.6	81
46	The fabrication, characterization and application of aptamer-functionalized Si-nanowire FET biosensors. <i>Nanotechnology</i> , 2009, 20, 235501.	2.6	76
47	Long acting hyaluronate-exendin 4 conjugate for the treatment of type 2 diabetes. <i>Biomaterials</i> , 2010, 31, 4121-4128.	11.4	73
48	Bioluminescence-Activated Deep-Tissue Photodynamic Therapy of Cancer. <i>Theranostics</i> , 2015, 5, 805-817.	10.0	72
49	Biodegradable Photonic Melanoidin for Theranostic Applications. <i>ACS Nano</i> , 2016, 10, 822-831.	14.6	69
50	In vivo real-time bioimaging of hyaluronic acid derivatives using quantum dots. <i>Biopolymers</i> , 2008, 89, 1144-1153.	2.4	67
51	In Vivo Photoacoustic Imaging of Livers Using Biodegradable Hyaluronic Acid-Conjugated Silica Nanoparticles. <i>Advanced Functional Materials</i> , 2018, 28, 1800941.	14.9	66
52	Hyaluronic Acid Derivatives for Translational Medicines. <i>Biomacromolecules</i> , 2019, 20, 2889-2903.	5.4	66
53	Sustained release formulation of erythropoietin using hyaluronic acid hydrogels crosslinked by Michael addition. <i>International Journal of Pharmaceutics</i> , 2006, 322, 44-51.	5.2	64
54	Cationic solid lipid nanoparticles derived from apolipoprotein-free LDLs for target specific systemic treatment of liver fibrosis. <i>Biomaterials</i> , 2013, 34, 542-551.	11.4	64

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55	Light-Guided Nanomotor Systems for Autonomous Photothermal Cancer Therapy. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 2338-2346.	8.0	64
56	Microneedle Biosensor for Real-time Electrical Detection of Nitric Oxide for In Situ Cancer Diagnosis During Endomicroscopy. <i>Advanced Healthcare Materials</i> , 2015, 4, 1153-1158.	7.6	63
57	Supramolecular Hydrogels for Long-term Bioengineered Stem Cell Therapy. <i>Advanced Healthcare Materials</i> , 2015, 4, 237-244.	7.6	62
58	Theranostic systems assembled in situ on demand by host-guest chemistry. <i>Biomaterials</i> , 2011, 32, 7687-7694.	11.4	60
59	Anti-Flt1 peptide-hyaluronate conjugate for the treatment of retinal neovascularization and diabetic retinopathy. <i>Biomaterials</i> , 2011, 32, 3115-3123.	11.4	59
60	Systemic PEGylated TRAIL treatment ameliorates liver cirrhosis in rats by eliminating activated hepatic stellate cells. <i>Hepatology</i> , 2016, 64, 209-223.	7.3	59
61	Target specific systemic delivery of TGF- β 2 siRNA/(PEI-SS)-g-HA complex for the treatment of liver cirrhosis. <i>Biomaterials</i> , 2011, 32, 4951-4958.	11.4	58
62	Synthesis, characterization, and preliminary assessment of anti-Flt1 peptide-hyaluronate conjugate for the treatment of corneal neovascularization. <i>Biomaterials</i> , 2009, 30, 6026-6034.	11.4	55
63	Characterization and In Vivo Study of Sustained-Release Formulation of Human Growth Hormone Using Sodium Hyaluronate. <i>Pharmaceutical Research</i> , 2004, 21, 1374-1381.	3.5	54
64	Drug-eluting contact lens containing cyclosporine-loaded cholesterol-hyaluronate micelles for dry eye syndrome. <i>RSC Advances</i> , 2019, 9, 16578-16585.	3.6	54
65	Nano graphene oxide-hyaluronic acid conjugate for target specific cancer drug delivery. <i>RSC Advances</i> , 2014, 4, 14197.	3.6	52
66	Noninvasive Transdermal Vaccination Using Hyaluronan Nanocarriers and Laser Adjuvant. <i>Advanced Functional Materials</i> , 2016, 26, 2512-2522.	14.9	52
67	Target specific hyaluronic acid-interferon alpha conjugate for the treatment of hepatitis C virus infection. <i>Biomaterials</i> , 2011, 32, 8722-8729.	11.4	51
68	Selectively crosslinked hyaluronic acid hydrogels for sustained release formulation of erythropoietin. <i>Journal of Biomedical Materials Research - Part A</i> , 2006, 78A, 459-465.	4.0	50
69	Bimetallic Nanocatalysts Immobilized in Nanoporous Hydrogels for Long-term Robust Continuous Glucose Monitoring of Smart Contact Lens. <i>Advanced Materials</i> , 2022, 34, e2110536.	21.0	48
70	Bioorthogonal Click Chemistry-Based Synthetic Cell Glue. <i>Small</i> , 2015, 11, 6458-6466.	10.0	47
71	Real-time, step-wise, electrical detection of protein molecules using dielectrophoretically aligned SWNT-film FET aptasensors. <i>Lab on A Chip</i> , 2010, 10, 2052.	6.0	46
72	Flt1 peptide-hyaluronate conjugate micelle-like nanoparticles encapsulating genistein for the treatment of ocular neovascularization. <i>Acta Biomaterialia</i> , 2012, 8, 3932-3940.	8.3	46

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73	The recovery of poly(3-hydroxybutyrate) by using dispersions of sodium hypochlorite solution and chloroform. <i>Biotechnology Letters</i> , 1993, 7, 209-212.	0.5	45
74	Cationic derivatives of biocompatible hyaluronic acids for delivery of siRNA and antisense oligonucleotides. <i>Journal of Drug Targeting</i> , 2009, 17, 123-132.	4.4	45
75	Biodegradable Microneedle Patch Delivering Antigenic Peptide-Hyaluronate Conjugate for Cancer Immunotherapy. <i>ACS Biomaterials Science and Engineering</i> , 2019, 5, 5150-5158.	5.2	45
76	Reducible Hyaluronic Acid-siRNA Conjugate for Target Specific Gene Silencing. <i>Bioconjugate Chemistry</i> , 2013, 24, 1201-1209.	3.6	44
77	Hyaluronic acid-tumor necrosis factor-related apoptosis-inducing ligand conjugate for targeted treatment of liver fibrosis. <i>Acta Biomaterialia</i> , 2015, 12, 174-182.	8.3	43
78	DNA/PEI/Alginate polyplex as an efficient in vivo gene delivery system. <i>Biotechnology and Bioengineering</i> , 2007, 12, 684-689.	2.6	42
79	Hyaluronate-Gold Nanoparticle/Glucose Oxidase Complex for Highly Sensitive Wireless Noninvasive Glucose Sensors. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 37347-37356.	8.0	42
80	Signal Transduction of Hyaluronic Acid-Peptide Conjugate for Formyl Peptide Receptor Like 1 Receptor. <i>Bioconjugate Chemistry</i> , 2008, 19, 2401-2408.	3.6	39
81	Effect of Thermal Degradation of SFF-Based PLGA Scaffolds Fabricated Using a Multi-head Deposition System Followed by Change of Cell Growth Rate. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2010, 21, 1069-1080.	3.5	38
82	Luciferase-Rose Bengal conjugates for singlet oxygen generation by bioluminescence resonance energy transfer. <i>Chemical Communications</i> , 2017, 53, 4569-4572.	4.1	38
83	Flexible wireless powered drug delivery system for targeted administration on cerebral cortex. <i>Nano Energy</i> , 2018, 51, 102-112.	16.0	37
84	Injectable hyaluronic acid microhydrogels for controlled release formulation of erythropoietin. <i>Journal of Biomedical Materials Research - Part A</i> , 2007, 80A, 916-924.	4.0	35
85	Hyaluronate-Gold Nanorod/DR5 Antibody Complex for Noninvasive Theranosis of Skin Cancer. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 32202-32210.	8.0	35
86	Bioinspired urease-powered micromotor as an active oral drug delivery carrier in stomach. <i>Bioactive Materials</i> , 2022, 9, 54-62.	15.6	35
87	Noncovalently PEGylated CTGF siRNA/PDMAEMA complex for pulmonary treatment of bleomycin-induced lung fibrosis. <i>Biomaterials</i> , 2013, 34, 1261-1269.	11.4	33
88	Targeted Hyaluronate-Hollow Gold Nanosphere Conjugate for Anti-Obesity Photothermal Lipolysis. <i>ACS Biomaterials Science and Engineering</i> , 2017, 3, 3646-3653.	5.2	33
89	Nanoscale graphene coating on commercially pure titanium for accelerated bone regeneration. <i>RSC Advances</i> , 2016, 6, 26719-26724.	3.6	32
90	Bioimaging and pulmonary applications of self-assembled Flt1 peptide-hyaluronic acid conjugate nanoparticles. <i>Biomaterials</i> , 2013, 34, 8478-8490.	11.4	31

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91	Dual-Color-Emitting Carbon Nanodots for Multicolor Bioimaging and Optogenetic Control of Ion Channels. <i>Advanced Science</i> , 2017, 4, 1700325.	11.2	31
92	Effect of hyaluronic acid molecular weight on the morphology of quantum dot-hyaluronic acid conjugates. <i>International Journal of Biological Macromolecules</i> , 2008, 42, 41-45.	7.5	30
93	A Smart Contact Lens Controller IC Supporting Dual-Mode Telemetry With Wireless-Powered Backscattering LSK and EM-Radiated RF Transmission Using a Single-Loop Antenna. <i>IEEE Journal of Solid-State Circuits</i> , 2020, 55, 856-867.	5.4	30
94	Molecular design of hyaluronic acid hydrogel networks for long-term controlled delivery of human growth hormone. <i>Soft Matter</i> , 2011, 7, 868.	2.7	28
95	Multifunctional micro/nanomotors as an emerging platform for smart healthcare applications. <i>Biomaterials</i> , 2021, 279, 121201.	11.4	28
96	Superior Pre-Osteoblast Cell Response of Etched Ultrafine-Grained Titanium with a Controlled Crystallographic Orientation. <i>Scientific Reports</i> , 2017, 7, 44213.	3.3	27
97	Enhancing the transdermal penetration of nanoconstructs: could hyaluronic acid be the key?. <i>Nanomedicine</i> , 2014, 9, 743-745.	3.3	26
98	Synergistic effects of hyaluronate-hyaluronic acid epidermal growth factor conjugate patch on chronic wound healing. <i>Biomaterials Science</i> , 2018, 6, 1020-1030.	5.4	26
99	Multimodal Cancer Theranosis Using Hyaluronate-Conjugated Molybdenum Disulfide. <i>Advanced Healthcare Materials</i> , 2019, 8, e1801036.	7.6	26
100	Preparation and characterization of biocompatible polyelectrolyte complex multilayer of hyaluronic acid and poly-L-lysine. <i>International Journal of Biological Macromolecules</i> , 2005, 37, 227-231.	7.5	25
101	Tocilizumab-Alendronate Conjugate for Treatment of Rheumatoid Arthritis. <i>Bioconjugate Chemistry</i> , 2017, 28, 1084-1092.	3.6	25
102	Multifunctional Nanodroplets Encapsulating Naphthalocyanine and Perfluorohexane for Bimodal Image-Guided Therapy. <i>Biomacromolecules</i> , 2019, 20, 3767-3777.	5.4	25
103	Supramolecular Injectable Hyaluronate Hydrogels for Cartilage Tissue Regeneration. <i>ACS Applied Bio Materials</i> , 2020, 3, 5040-5047.	4.6	25
104	Effect of osteoconductive hyaluronate hydrogels on calvarial bone regeneration. <i>Biomaterials Research</i> , 2014, 18, 8.	6.9	24
105	Multifunctional hyaluronate-nanoparticle hybrid systems for diagnostic, therapeutic and theranostic applications. <i>Journal of Controlled Release</i> , 2019, 303, 55-66.	9.9	24
106	Smart Contact Lenses with a Transparent Silver Nanowire Strain Sensor for Continuous Intraocular Pressure Monitoring. <i>ACS Applied Bio Materials</i> , 2021, 4, 4532-4541.	4.6	24
107	Supramolecular host-guest hyaluronic acid hydrogels enhance corneal wound healing through dynamic spatiotemporal effects. <i>Ocular Surface</i> , 2022, 23, 148-161.	4.4	24
108	Multimerized siRNA Cross-linked by Gold Nanoparticles. <i>Bioconjugate Chemistry</i> , 2011, 22, 1962-1969.	3.6	23

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109	In vivo real-time confocal microscopy for target-specific delivery of hyaluronic acid-quantum dot conjugates. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2012, 8, 1070-1073.	3.3	23
110	Gold half-shell coated hyaluronic acid-doxorubicin conjugate micelles for theranostic applications. <i>Macromolecular Research</i> , 2012, 20, 277-282.	2.4	23
111	Dissolving microneedles delivering cancer cell membrane coated nanoparticles for cancer immunotherapy. <i>RSC Advances</i> , 2021, 11, 10393-10399.	3.6	22
112	Smart Wireless Near-Infrared Light Emitting Contact Lens for the Treatment of Diabetic Retinopathy. <i>Advanced Science</i> , 2022, 9, e2103254.	11.2	22
113	Anti-calcification of bovine pericardium for bioprosthetic heart valves after surface modification with hyaluronic acid derivatives. <i>Biotechnology and Bioprocess Engineering</i> , 2005, 10, 218-224.	2.6	21
114	Self-assembled complex of probe peptide "E. Coli RNA I conjugate and nano graphene oxide for apoptosis diagnosis. <i>Biomaterials</i> , 2012, 33, 7556-7564.	11.4	21
115	Genetically engineered mesenchymal stem cell therapy using self-assembling supramolecular hydrogels. <i>Journal of Controlled Release</i> , 2015, 220, 119-129.	9.9	21
116	Self-adjuvanted hyaluronate " antigenic peptide conjugate for transdermal treatment of muscular dystrophy. <i>Biomaterials</i> , 2016, 81, 93-103.	11.4	21
117	A thermogravimetric analysis for poly(3-hydroxybutyrate) quantification. <i>Biotechnology Letters</i> , 1995, 9, 873-878.	0.5	20
118	Bioimaging of Hyaluronate " Interferon γ Conjugates Using a Non-Interfering Zwitterionic Fluorophore. <i>Biomacromolecules</i> , 2015, 16, 3054-3061.	5.4	20
119	Degradable Nanomotors Using Platinum Deposited Complex of Calcium Carbonate and Hyaluronate Nanogels for Targeted Drug Delivery. <i>Particle and Particle Systems Characterization</i> , 2020, 37, 1900418.	2.3	20
120	Biocompatible Organosilica Nanoparticles with Self-Encapsulated Phenyl Motifs for Effective UV Protection. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 9062-9069.	8.0	20
121	Nose-to-brain delivery of hyaluronate " FG loop peptide conjugate for non-invasive hypoxic-ischemic encephalopathy therapy. <i>Journal of Controlled Release</i> , 2019, 307, 76-89.	9.9	19
122	Facile Surface Modification and Application of Temperature Responsive Poly(<i>N</i> -isopropylacrylamide-co- <i>N</i> -dopamine methacrylamide). <i>Macromolecular Chemistry and Physics</i> , 2012, 213, 2130-2135.	2.2	18
123	Upconversion nanoparticles coated organic photovoltaics for near infrared light controlled drug delivery systems. <i>Nano Energy</i> , 2021, 81, 105650.	16.0	18
124	Emerging Phospholipid Nanobiomaterials for Biomedical Applications to Lab-on-a-Chip, Drug Delivery, and Cellular Engineering. <i>ACS Applied Bio Materials</i> , 2021, 4, 8110-8128.	4.6	17
125	Characterization of biocompatible polyelectrolyte complex multilayer of hyaluronic acid and poly-L-lysine. <i>Biotechnology and Bioprocess Engineering</i> , 2004, 9, 179-183.	2.6	15
126	Controlled Detachment of Chemically Glued Cells. <i>Bioconjugate Chemistry</i> , 2016, 27, 2601-2604.	3.6	15

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127	Smart Microbubble Eluting Theranostic Stent for Noninvasive Ultrasound Imaging and Prevention of Restenosis. <i>Small</i> , 2017, 13, 1602925.	10.0	15
128	Molybdenum Disulfide Surface Modification of Ultrafine-Grained Titanium for Enhanced Cellular Growth and Antibacterial Effect. <i>Scientific Reports</i> , 2018, 8, 9907.	3.3	14
129	The lysis of gram-negative <i>Alcaligenes eutrophus</i> and <i>Alcaligenes latus</i> by palmitoyl carnitine. <i>Biotechnology Letters</i> , 1993, 7, 295-300.	0.5	13
130	Synchrotron X-Ray Bioimaging of Bone Regeneration by Artificial Bone Substitute of MegaGen Synthetic Bone and Hyaluronate Hydrogels. <i>Tissue Engineering - Part C: Methods</i> , 2010, 16, 1059-1068.	2.1	13
131	Improved synthesis of hyaluronic acid hydrogel and its effect on tissue augmentation. <i>Journal of Biomaterials Applications</i> , 2012, 27, 179-186.	2.4	13
132	Defect-Induced Fluorescence of Silica Nanoparticles for Bioimaging Applications. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 44247-44256.	8.0	13
133	Targeted systemic mesenchymal stem cell delivery using hyaluronate "wheat germ agglutinin conjugate. <i>Biomaterials</i> , 2016, 106, 217-227.	11.4	12
134	Biomimetic Supramolecular Drug Delivery Hydrogels for Accelerated Skin Tissue Regeneration. <i>ACS Biomaterials Science and Engineering</i> , 2021, 7, 4581-4590.	5.2	11
135	Upconversion nanomaterials and delivery systems for smart photonic medicines and healthcare devices. <i>Advanced Drug Delivery Reviews</i> , 2022, 188, 114419.	13.7	11
136	Comparison and optimization of poly(3-hydroxybutyrate) recovery from <i>Alcaligenes eutrophus</i> and recombinant <i>Escherichia coli</i> . <i>Korean Journal of Chemical Engineering</i> , 1998, 15, 51-55.	2.7	10
137	Non-Invasive Topical Drug-Delivery System Using Hyaluronate Nanogels Crosslinked via Click Chemistry. <i>Materials</i> , 2021, 14, 1504.	2.9	10
138	Hyaluronic acid"siRNA conjugates complexed with cationic solid lipid nanoparticles for target specific gene silencing. <i>RSC Advances</i> , 2014, 4, 19338-19344.	3.6	9
139	Characterization of PEGylated Anti-VEGF aptamers using surface plasmon resonance. <i>Macromolecular Research</i> , 2008, 16, 182-184.	2.4	8
140	Hyaluronate "parathyroid hormone peptide conjugate for transdermal treatment of osteoporosis. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2018, 29, 793-804.	3.5	8
141	Biocompatible Magnesium Implant Double-Coated with Dexamethasone-Loaded Black Phosphorus and Poly(lactide-co-glycolide). <i>ACS Applied Bio Materials</i> , 2020, 3, 8879-8889.	4.6	8
142	Two-photon microscopy of a Flt1 peptide"hyaluronate conjugate. <i>Nanomedicine</i> , 2015, 10, 2315-2324.	3.3	7
143	Bioimaging of botulinum toxin and hyaluronate hydrogels using zwitterionic near-infrared fluorophores. <i>Biomaterials Research</i> , 2017, 21, 15.	6.9	7
144	Hyaluronate/black phosphorus complexes as a copper chelating agent for Wilson disease treatment. <i>Biomaterials Research</i> , 2021, 25, 20.	6.9	7

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145	Smart contact lens containing hyaluronate-rose bengal conjugate for biophotonic myopia vision correction. <i>Biomaterials Science</i> , 2022, 10, 4997-5005.	5.4	7
146	Anti-coagulating hydroxyethyl starch blended with hyaluronic acid as a novel post-surgical adhesion barrier. <i>Macromolecular Research</i> , 2010, 18, 1076-1080.	2.4	6
147	Hyaluronate-Fit1 peptide conjugate/epirubicin micelles for theranostic application to liver cancers. <i>RSC Advances</i> , 2015, 5, 48615-48618.	3.6	6
148	Hyaluronate-Death Receptor 5 Antibody Conjugates for Targeted Treatment of Liver Metastasis. <i>Biomacromolecules</i> , 2016, 17, 3085-3093.	5.4	6
149	Supramolecular hydrogels encapsulating bioengineered mesenchymal stem cells for ischemic therapy. <i>RSC Advances</i> , 2018, 8, 18771-18775.	3.6	6
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