Sei Kwang Hahn

List of Publications by Year
in descending order

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176 papers	10,747 citations	23544 58 h-index	36008 97 g-index
183 all docs	183 docs citations	183 times ranked	14982 citing authors

#	Article	IF	Citations
1	Bioinspired urease-powered micromotor as an active oral drug delivery carrier in stomach. Bioactive Materials, 2022, 9, 54-62.	8.6	35
2	Supramolecular host-guest hyaluronic acid hydrogels enhance corneal wound healing through dynamic spatiotemporal effects. Ocular Surface, 2022, 23, 148-161.	2.2	24
3	Smart Wireless Nearâ€Infrared Light Emitting Contact Lens for the Treatment of Diabetic Retinopathy. Advanced Science, 2022, 9, e2103254.	5.6	22
4	Bimetallic Nanocatalysts Immobilized in Nanoporous Hydrogels for Longâ€Term Robust Continuous Glucose Monitoring of Smart Contact Lens. Advanced Materials, 2022, 34, e2110536.	11.1	48
5	Radiative and Non-Radiative Decay Pathways in Carbon Nanodots toward Bioimaging and Photodynamic Therapy. Nanomaterials, 2022, 12, 70.	1.9	6
6	Bimetallic Nanocatalysts Immobilized in Nanoporous Hydrogels for Longâ€Term Robust Continuous Glucose Monitoring of Smart Contact Lens (Adv. Mater. 18/2022). Advanced Materials, 2022, 34, .	11.1	4
7	Smart contact lens containing hyaluronateâ€“rose bengal conjugate for biophotonic myopia vision correction. Biomaterials Science, 2022, 10, 4997-5005.	2.6	7
8	Upconversion nanomaterials and delivery systems for smart photonic medicines and healthcare devices. Advanced Drug Delivery Reviews, 2022, 188, 114419.	6.6	11
9	Upconversion nanoparticles coated organic photovoltaics for near infrared light controlled drug delivery systems. Nano Energy, 2021, 81, 105650.	8.2	18
10	Dissolving microneedles delivering cancer cell membrane coated nanoparticles for cancer immunotherapy. RSC Advances, 2021, 11, 10393-10399.	1.7	22
11	Fluorescent nanodiamond â€“ hyaluronate conjugates for target-specific molecular imaging. RSC Advances, 2021, 11, 23073-23081.	1.7	5
12	Multispectral upconversion nanoparticles for near infrared encoding of wearable devices. RSC Advances, 2021, 11, 21897-21903.	1.7	4
13	Non-Invasive Topical Drug-Delivery System Using Hyaluronate Nanogels Crosslinked via Click Chemistry. Materials, 2021, 14, 1504.	1.3	10
14	Smart Contact Lenses with a Transparent Silver Nanowire Strain Sensor for Continuous Intraocular Pressure Monitoring. ACS Applied Bio Materials, 2021, 4, 4532-4541.	2.3	24
15	Hyaluronate/black phosphorus complexes as a copper chelating agent for Wilson disease treatment. Biomaterials Research, 2021, 25, 20.	3.2	7
16	Biomimetic Supramolecular Drug Delivery Hydrogels for Accelerated Skin Tissue Regeneration. ACS Biomaterials Science and Engineering, 2021, 7, 4581-4590.	2.6	11
17	Advanced materials and devices for medical applications. APL Materials, 2021, 9, .	2.2	0
18	Multifunctional micro/nanomotors as an emerging platform for smart healthcare applications. Biomaterials, 2021, 279, 121201.	5.7	28

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19	Emerging Phospholipid Nanobiomaterials for Biomedical Applications to Lab-on-a-Chip, Drug Delivery, and Cellular Engineering. ACS Applied Bio Materials, 2021, 4, 8110-8128.	2.3	17
20	Multifunctional materials for implantable and wearable photonic healthcare devices. Nature Reviews Materials, 2020, 5, 149-165.	23.3	403
21	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
22	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. IEEE Journal of Solid-State Circuits, 2020, 55, 856-867.	3.5	30
23	Biocompatible Magnesium Implant Double-Coated with Dexamethasone-Loaded Black Phosphorus and Poly(lactide-co-glycolide). ACS Applied Bio Materials, 2020, 3, 8879-8889.	2.3	8
24	Supramolecular Injectable Hyaluronate Hydrogels for Cartilage Tissue Regeneration. ACS Applied Bio Materials, 2020, 3, 5040-5047.	2.3	25
25	Three-Dimensional Tungsten Disulfide Raman Biosensor for Dopamine Detection. ACS Applied Bio Materials, 2020, 3, 7687-7695.	2.3	5
26	Urease-Powered Polydopamine Nanomotors for Intravesical Therapy of Bladder Diseases. ACS Nano, 2020, 14, 6683-6692.	7.3	88
27	Biocompatible Organosilica Nanoparticles with Self-Encapsulated Phenyl Motifs for Effective UV Protection. ACS Applied Materials & Interfaces, 2020, 12, 9062-9069.	4.0	20
28	Wireless smart contact lens for diabetic diagnosis and therapy. Science Advances, 2020, 6, eaba3252.	4.7	255
29	Biodegradable Microneedle Patch Delivering Antigenic Peptideâ€“Hyaluronate Conjugate for Cancer Immunotherapy. ACS Biomaterials Science and Engineering, 2019, 5, 5150-5158.	2.6	45
30	Multifunctional Nanodroplets Encapsulating Naphthalocyanine and Perfluorohexane for Bimodal Image-Guided Therapy. Biomacromolecules, 2019, 20, 3767-3777.	2.6	25
31	Hyaluronateâ€“Gold Nanoparticle/Glucose Oxidase Complex for Highly Sensitive Wireless Noninvasive Glucose Sensors. ACS Applied Materials & Interfaces, 2019, 11, 37347-37356.	4.0	42
32	Hyaluronic Acid Derivatives for Translational Medicines. Biomacromolecules, 2019, 20, 2889-2903.	2.6	66
33	Nose-to-brain delivery of hyaluronate â€“ FG loop peptide conjugate for non-invasive hypoxic-ischemic encephalopathy therapy. Journal of Controlled Release, 2019, 307, 76-89.	4.8	19
34	Controlled growth of fluorescent silica nanoparticles using two-phase orthogonal solvents for bioimaging. Journal of Luminescence, 2019, 214, 116529.	1.5	2
35	Drug-eluting contact lens containing cyclosporine-loaded cholesterol-hyaluronate micelles for dry eye syndrome. RSC Advances, 2019, 9, 16578-16585.	1.7	54
36	Electroceutical Residue-Free Graphene Device for Dopamine Monitoring and Neural Stimulation. ACS Biomaterials Science and Engineering, 2019, 5, 2013-2020.	2.6	5

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37	Multifunctional hyaluronate â€“ nanoparticle hybrid systems for diagnostic, therapeutic and theranostic applications. Journal of Controlled Release, 2019, 303, 55-66.	4.8	24
38	Multimodal Cancer Theranosis Using Hyaluronateâ€Conjugated Molybdenum Disulfide. Advanced Healthcare Materials, 2019, 8, e1801036.	3.9	26
39	Cancer Theranosis: Multimodal Cancer Theranosis Using Hyaluronate-Conjugated Molybdenum Disulfide (Adv. Healthcare Mater. 1/2019). Advanced Healthcare Materials, 2019, 8, 1970002.	3.9	1
40	In Vivo Photoacoustic Imaging of Livers Using Biodegradable Hyaluronic Acidâ€Conjugated Silica Nanoparticles. Advanced Functional Materials, 2018, 28, 1800941.	7.8	66
41	Multifunctional Photonic Nanomaterials for Diagnostic, Therapeutic, and Theranostic Applications. Advanced Materials, 2018, 30, 1701460.	11.1	137
42	Light-Guided Nanomotor Systems for Autonomous Photothermal Cancer Therapy. ACS Applied Materials & Interfaces, 2018, 10, 2338-2346.	4.0	64
43	Synergistic effects of hyaluronate â€“ epidermal growth factor conjugate patch on chronic wound healing. Biomaterials Science, 2018, 6, 1020-1030.	2.6	26
44	Hyaluronate â€“ parathyroid hormone peptide conjugate for transdermal treatment of osteoporosis. Journal of Biomaterials Science, Polymer Edition, 2018, 29, 793-804.	1.9	8
45	Spectromicroscopic observation of a live single cell in a biocompatible liquid-enclosing graphene system. Nanoscale, 2018, 10, 150-157.	2.8	4
46	Defect-Induced Fluorescence of Silica Nanoparticles for Bioimaging Applications. ACS Applied Materials & Interfaces, 2018, 10, 44247-44256.	4.0	13
47	Supramolecular hydrogels encapsulating bioengineered mesenchymal stem cells for ischemic therapy. RSC Advances, 2018, 8, 18771-18775.	1.7	6
48	Molybdenum Disulfide Surface Modification of Ultrafine-Grained Titanium for Enhanced Cellular Growth and Antibacterial Effect. Scientific Reports, 2018, 8, 9907.	1.6	14
49	Flexible wireless powered drug delivery system for targeted administration on cerebral cortex. Nano Energy, 2018, 51, 102-112.	8.2	37
50	Bioimaging: In Vivo Photoacoustic Imaging of Livers Using Biodegradable Hyaluronic Acid-Conjugated Silica Nanoparticles (Adv. Funct. Mater. 22/2018). Advanced Functional Materials, 2018, 28, 1870153.	7.8	1
51	In vivo photoacoustic monitoring of anti-obesity photothermal lipolysis. , 2018, , .		0
52	Tocilizumabâ€“Alendronate Conjugate for Treatment of Rheumatoid Arthritis. Bioconjugate Chemistry, 2017, 28, 1084-1092.	1.8	25
53	Hyaluronate and its derivatives for customized biomedical applications. Biomaterials, 2017, 123, 155-171.	5.7	139
54	Hyaluronate modified upconversion nanoparticles for near infrared light-triggered onâ€“off tattoo systems. RSC Advances, 2017, 7, 14805-14808.	1.7	3

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55	Superior Pre-Osteoblast Cell Response of Etched Ultrafine-Grained Titanium with a Controlled Crystallographic Orientation. Scientific Reports, 2017, 7, 44213.	1.6	27
56	Smart photonic materials for theranostic applications. , 2017, , .		0
57	Hyaluronateâ€“Peanut Agglutinin Conjugates for Target-Specific Bioimaging of Colon Cancer. Bioconjugate Chemistry, 2017, 28, 1434-1442.	1.8	5
58	Luciferaseâ€“Rose Bengal conjugates for singlet oxygen generation by bioluminescence resonance energy transfer. Chemical Communications, 2017, 53, 4569-4572.	2.2	38
59	Smart Microbubble Eluting Theranostic Stent for Noninvasive Ultrasound Imaging and Prevention of Restenosis. Small, 2017, 13, 1602925.	5.2	15
60	Upconversion Nanoparticles/Hyaluronateâ€“Rose Bengal Conjugate Complex for Noninvasive Photochemical Tissue Bonding. ACS Nano, 2017, 11, 9979-9988.	7.3	81
61	Carbon Nanodots: Dualâ€Colorâ€Emitting Carbon Nanodots for Multicolor Bioimaging and Optogenetic Control of Ion Channels (Adv. Sci. 11/2017). Advanced Science, 2017, 4, .	5.6	0
62	Targeted Hyaluronateâ€“Hollow Gold Nanosphere Conjugate for Anti-Obesity Photothermal Lipolysis. ACS Biomaterials Science and Engineering, 2017, 3, 3646-3653.	2.6	33
63	Bioimaging of botulinum toxin and hyaluronate hydrogels using zwitterionic near-infrared fluorophores. Biomaterials Research, 2017, 21, 15.	3.2	7
64	Dualâ€Colorâ€Emitting Carbon Nanodots for Multicolor Bioimaging and Optogenetic Control of Ion Channels. Advanced Science, 2017, 4, 1700325.	5.6	31
65	Biodegradable Nitrogen-Doped Carbon Nanodots for Non-Invasive Photoacoustic Imaging and Photothermal Therapy. Theranostics, 2016, 6, 2196-2208.	4.6	138
66	Systemic PEGylated TRAIL treatment ameliorates liver cirrhosis in rats by eliminating activated hepatic stellate cells. Hepatology, 2016, 64, 209-223.	3.6	59
67	Noninvasive Transdermal Vaccination Using Hyaluronan Nanocarriers and Laser Adjuvant. Advanced Functional Materials, 2016, 26, 2512-2522.	7.8	52
68	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
69	Hyaluronateâ€“Death Receptor 5 Antibody Conjugates for Targeted Treatment of Liver Metastasis. Biomacromolecules, 2016, 17, 3085-3093.	2.6	6
70	Targeted systemic mesenchymal stem cell delivery using hyaluronate â€“ wheat germ agglutinin conjugate. Biomaterials, 2016, 106, 217-227.	5.7	12
71	Hyaluronateâ€“Gold Nanorod/DR5 Antibody Complex for Noninvasive Theranosis of Skin Cancer. ACS Applied Materials & Interfaces, 2016, 8, 32202-32210.	4.0	35
72	Hyaluronateâ€”Epidermal Growth Factor Conjugate for Skin Wound Healing and Regeneration. Biomacromolecules, 2016, 17, 3694-3705.	2.6	84

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73	Controlled Detachment of Chemically Glued Cells. Bioconjugate Chemistry, 2016, 27, 2601-2604.	1.8	15
74	Bioabsorbable polymer optical waveguides for deep-tissue photomedicine. Nature Communications, 2016, 7, 10374.	5.8	173
75	Three-dimensional bioprinting of multilayered constructs containing human mesenchymal stromal cells for osteochondral tissue regeneration in the rabbit knee joint. Biofabrication, 2016, 8, 014102.	3.7	200
76	Nanoscale graphene coating on commercially pure titanium for accelerated bone regeneration. RSC Advances, 2016, 6, 26719-26724.	1.7	32
77	Self-adjuvanted hyaluronate â€“ antigenic peptide conjugate for transdermal treatment of muscular dystrophy. Biomaterials, 2016, 81, 93-103.	5.7	21
78	Biodegradable Photonic Melanoidin for Theranostic Applications. ACS Nano, 2016, 10, 822-831.	7.3	69
79	Photonic hydrogel sensors. Biotechnology Advances, 2016, 34, 250-271.	6.0	157
80	Cell Adhesion: Bioorthogonal Click Chemistry-Based Synthetic Cell Glue(Small 48/2015). Small, 2015, 11, 6457-6457.	5.2	1
81	Stem Cells: Supramolecular Hydrogels for Longâ€Term Bioengineered Stem Cell Therapy (Adv.) Tj ETQq1 1 0.784314 rgBT /Overlock 10	3.9	0
82	Cancer Detection: Microneedle Biosensor for Realâ€Time Electrical Detection of Nitric Oxide for In Situ Cancer Diagnosis During Endomicroscopy (Adv. Healthcare Mater. 8/2015). Advanced Healthcare Materials, 2015, 4, 1152-1152.	3.9	5
83	Bioorthogonal Click Chemistry-Based Synthetic Cell Glue. Small, 2015, 11, 6458-6466.	5.2	47
84	Bioluminescence-Activated Deep-Tissue Photodynamic Therapy of Cancer. Theranostics, 2015, 5, 805-817.	4.6	72
85	Hyaluronateâ€“Flt1 peptide conjugate/epirubicin micelles for theranostic application to liver cancers. RSC Advances, 2015, 5, 48615-48618.	1.7	6
86	Supramolecular Hydrogels for Longâ€Term Bioengineered Stem Cell Therapy. Advanced Healthcare Materials, 2015, 4, 237-244.	3.9	62
87	Surface Modification of Multipass Caliber-Rolled Ti Alloy with Dexamethasone-Loaded Graphene for Dental Applications. ACS Applied Materials & Interfaces, 2015, 7, 9598-9607.	4.0	82
88	Microneedle Biosensor for Realâ€Time Electrical Detection of Nitric Oxide for In Situ Cancer Diagnosis During Endomicroscopy. Advanced Healthcare Materials, 2015, 4, 1153-1158.	3.9	63
89	Genetically engineered mesenchymal stem cell therapy using self-assembling supramolecular hydrogels. Journal of Controlled Release, 2015, 220, 119-129.	4.8	21
90	Photodynamic therapy of melanoma skin cancer using carbon dot â€“ chlorin e6 â€“ hyaluronate conjugate. Acta Biomaterialia, 2015, 26, 295-305.	4.1	110

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91	Bioimaging of Hyaluronateâ€“Interferon Î± Conjugates Using a Non-Interfering Zwitterionic Fluorophore. Biomacromolecules, 2015, 16, 3054-3061.	2.6	20
92	Two-photon microscopy of a Flt1 peptideâ€“hyaluronate conjugate. Nanomedicine, 2015, 10, 2315-2324.	1.7	7
93	Hyaluronic acidâ€“tumor necrosis factor-related apoptosis-inducing ligand conjugate for targeted treatment of liver fibrosis. Acta Biomaterialia, 2015, 12, 174-182.	4.1	43
94	Effect of osteoconductive hyaluronate hydrogels on calvarial bone regeneration. Biomaterials Research, 2014, 18, 8.	3.2	24
95	Temperature-dependent location of a weakly segregated block copolymer in binary blends of block copolymers. Journal of Polymer Science, Part B: Polymer Physics, 2014, 52, 470-476.	2.4	2
96	3D Tissue Engineered Supramolecular Hydrogels for Controlled Chondrogenesis of Human Mesenchymal Stem Cells. Biomacromolecules, 2014, 15, 707-714.	2.6	102
97	Nanographene Oxideâ€“Hyaluronic Acid Conjugate for Photothermal Ablation Therapy of Skin Cancer. ACS Nano, 2014, 8, 260-268.	7.3	208
98	In situ-forming injectable hydrogels for regenerative medicine. Progress in Polymer Science, 2014, 39, 1973-1986.	11.8	435
99	Nano graphene oxideâ€“hyaluronic acid conjugate for target specific cancer drug delivery. RSC Advances, 2014, 4, 14197.	1.7	52
100	Enhancing the transdermal penetration of nanoconstructs: could hyaluronic acid be the key?. Nanomedicine, 2014, 9, 743-745.	1.7	26
101	Hyaluronateâ€“Gold Nanoparticle/Tocilizumab Complex for the Treatment of Rheumatoid Arthritis. ACS Nano, 2014, 8, 4790-4798.	7.3	178
102	Hyaluronic acidâ€“siRNA conjugates complexed with cationic solid lipid nanoparticles for target specific gene silencing. RSC Advances, 2014, 4, 19338-19344.	1.7	9
103	Light-guiding hydrogels for cell-based sensing and optogenetic synthesis in vivo. Nature Photonics, 2013, 7, 987-994.	15.6	287
104	Bioimaging and pulmonary applications of self-assembled Flt1 peptideâ€“hyaluronic acid conjugate nanoparticles. Biomaterials, 2013, 34, 8478-8490.	5.7	31
105	Cationic solid lipid nanoparticles derived from apolipoprotein-free LDLs for target specific systemic treatment of liver fibrosis. Biomaterials, 2013, 34, 542-551.	5.7	64
106	Reducible Hyaluronic Acidâ€“siRNA Conjugate for Target Specific Gene Silencing. Bioconjugate Chemistry, 2013, 24, 1201-1209.	1.8	44
107	Noncovalenly PEGylated CTGF siRNA/PDMAEMA complex for pulmonary treatment of bleomycin-induced lung fibrosis. Biomaterials, 2013, 34, 1261-1269.	5.7	33
108	Hyaluronic Acidâ€“Gold Nanoparticle/Interferon Î± Complex for Targeted Treatment of Hepatitis C Virus Infection. ACS Nano, 2012, 6, 9522-9531.	7.3	149

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109	Bioorthogonal Copperâ€Free Click Chemistry Inâ€...Vivo for Tumorâ€Targeted Delivery of Nanoparticles. Angewandte Chemie - International Edition, 2012, 51, 11836-11840.	7.2	235
110	Self-assembled complex of probe peptide â€“ E. Coli RNA I conjugate and nano graphene oxide for apoptosis diagnosis. Biomaterials, 2012, 33, 7556-7564.	5.7	21
111	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
112	Flt1 peptideâ€“hyaluronate conjugate micelle-like nanoparticles encapsulating genistein for the treatment of ocular neovascularization. Acta Biomaterialia, 2012, 8, 3932-3940.	4.1	46
113	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
114	Improved synthesis of hyaluronic acid hydrogel and its effect on tissue augmentation. Journal of Biomaterials Applications, 2012, 27, 179-186.	1.2	13
115	Bioimaging of Hyaluronic Acid Derivatives Using Nanosized Carbon Dots. Biomacromolecules, 2012, 13, 2554-2561.	2.6	162
116	In Situ Supramolecular Assembly and Modular Modification of Hyaluronic Acid Hydrogels for 3D Cellular Engineering. ACS Nano, 2012, 6, 2960-2968.	7.3	229
117	Gold half-shell coated hyaluronic acid-doxorubicin conjugate micelles for theranostic applications. Macromolecular Research, 2012, 20, 277-282.	1.0	23
118	Transdermal delivery of hyaluronic acid â€“ Human growth hormone conjugate. Biomaterials, 2012, 33, 5947-5954.	5.7	103
119	Molecular design of hyaluronic acid hydrogel networks for long-term controlled delivery of human growth hormone. Soft Matter, 2011, 7, 868.	1.2	28
120	Target-Specific Gene Silencing of Layer-by-Layer Assembled Goldâ€“Cysteamine/siRNA/PEI/HA Nanocomplex. ACS Nano, 2011, 5, 6138-6147.	7.3	145
121	Multimerized siRNA Cross-linked by Gold Nanoparticles. Bioconjugate Chemistry, 2011, 22, 1962-1969.	1.8	23
122	Theranostic systems assembled in situ on demand by host-guest chemistry. Biomaterials, 2011, 32, 7687-7694.	5.7	60
123	Target specific hyaluronic acidâ€“interferon alpha conjugate for the treatment of hepatitis C virus infection. Biomaterials, 2011, 32, 8722-8729.	5.7	51
124	Target specific systemic delivery of TGF-Î² siRNA/(PEI-SS)-g-HA complex for the treatment of liver cirrhosis. Biomaterials, 2011, 32, 4951-4958.	5.7	58
125	Solid Freeâ€Form Fabrication of Tissueâ€Engineering Scaffolds with a Poly(lacticâ€coâ€glycolic acid) Grafted Hyaluronic Acid Conjugate Encapsulating an Intact Bone Morphogenetic Proteinâ€2/Poly(ethylene) Tj ETQq1 1 0.784314 rgBT /Over		
126	Injectable hyaluronic acidâ€“tyramine hydrogels for the treatment of rheumatoid arthritis. Acta Biomaterialia, 2011, 7, 666-674.	4.1	114

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127	Anti-Flt1 peptide â€“ Hyaluronate conjugate for the treatment of retinal neovascularization and diabetic retinopathy. Biomaterials, 2011, 32, 3115-3123.	5.7	59
128	Artificial Bone Substitute of MGSB and Hyaluronate Hydrogels. Bioceramics Development and Applications, 2011, 1, 1-4.	0.3	1
129	Synchrotron X-Ray Bioimaging of Bone Regeneration by Artificial Bone Substitute of MegaGen Synthetic Bone and Hyaluronate Hydrogels. Tissue Engineering - Part C: Methods, 2010, 16, 1059-1068.	1.1	13
130	Target specific tumor treatment by VEGF siRNA complexed with reducible polyethyleneimineâ€“hyaluronic acid conjugate. Biomaterials, 2010, 31, 5258-5265.	5.7	125
131	Anti-coagulating hydroxyethyl starch blended with hyaluronic acid as a novel post-surgical adhesion barrier. Macromolecular Research, 2010, 18, 1076-1080.	1.0	6
132	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
133	The Topographic Effect of Zinc Oxide Nanoflowers on Osteoblast Growth and Osseointegration. Advanced Materials, 2010, 22, 4857-4861.	11.1	107
134	Long acting hyaluronate â€“ exendin 4 conjugate for the treatment of type 2 diabetes. Biomaterials, 2010, 31, 4121-4128.	5.7	73
135	Effect of Thermal Degradation of SFF-Based PLGA Scaffolds Fabricated Using a Multi-head Deposition System Followed by Change of Cell Growth Rate. Journal of Biomaterials Science, Polymer Edition, 2010, 21, 1069-1080.	1.9	38
136	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
137	Real-time bioimaging of hyaluronic acid derivatives using quantum dots for biopharmaceutical delivery applications. , 2010, , .		0
138	Single-File Diffusion of Protein Drugs through Cylindrical Nanochannels. ACS Nano, 2010, 4, 3817-3822.	7.3	187
139	Effect of Cross-Linking Reagents for Hyaluronic Acid Hydrogel Dermal Fillers on Tissue Augmentation and Regeneration. Bioconjugate Chemistry, 2010, 21, 240-247.	1.8	109
140	Real-time, step-wise, electrical detection of protein molecules using dielectrophoretically aligned SWNT-film FET aptasensors. Lab on A Chip, 2010, 10, 2052.	3.1	46
141	Cationic derivatives of biocompatible hyaluronic acids for delivery of siRNA and antisense oligonucleotides. Journal of Drug Targeting, 2009, 17, 123-132.	2.1	45
142	Development of the flow behavior model for 3D scaffold fabrication in the polymer deposition process by a heating method. Journal of Micromechanics and Microengineering, 2009, 19, 105003.	1.5	5
143	Guided bone regeneration by poly(lactic-co-glycolic acid) grafted hyaluronic acid bi-layer films for periodontal barrier applications. Acta Biomaterialia, 2009, 5, 3394-3403.	4.1	86
144	Electrical detection of VEGFs for cancer diagnoses using anti-vascular endotherial growth factor aptamer-modified Si nanowire FETs. Biosensors and Bioelectronics, 2009, 24, 1801-1805.	5.3	133

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145	Synthesis, characterization, and preliminary assessment of anti-Flt1 peptideâ€“hyaluronate conjugate for the treatment of corneal neovascularization. Biomaterials, 2009, 30, 6026-6034.	5.7	55
146	Target Specific Intracellular Delivery of siRNA/PEIâ^'HA Complex by Receptor Mediated Endocytosis. Molecular Pharmaceutics, 2009, 6, 727-737.	2.3	159
147	Hyaluronic Acidâ^'Quantum Dot Conjugates for In Vivo Lymphatic Vessel Imaging. ACS Nano, 2009, 3, 1389-1398.	7.3	157
148	The fabrication, characterization and application of aptamer-functionalized Si-nanowire FET biosensors. Nanotechnology, 2009, 20, 235501.	1.3	76
149	Application of microstereolithography in the development of three-dimensional cartilage regeneration scaffolds. Biomedical Microdevices, 2008, 10, 233-241.	1.4	92
150	Characterization of PEGylated Anti-VEGF aptamers using surface plasmon resonance. Macromolecular Research, 2008, 16, 182-184.	1.0	8
151	Control of the molecular degradation of hyaluronic acid hydrogels for tissue augmentation. Journal of Biomedical Materials Research - Part A, 2008, 86A, 685-693.	2.1	85
152	Hyaluronic acidâ€“polyethyleneimine conjugate for target specific intracellular delivery of siRNA. Biopolymers, 2008, 89, 635-642.	1.2	141
153	In vivo realâ€time bioimaging of hyaluronic acid derivatives using quantum dots. Biopolymers, 2008, 89, 1144-1153.	1.2	67
154	Effect of hyaluronic acid molecular weight on the morphology of quantum dotâ€“hyaluronic acid conjugates. International Journal of Biological Macromolecules, 2008, 42, 41-45.	3.6	30
155	Signal Transduction of Hyaluronic Acidâ^'Peptide Conjugate for Formyl Peptide Receptor Like 1 Receptor. Bioconjugate Chemistry, 2008, 19, 2401-2408.	1.8	39
156	A Novel Degradation Controlled Hyaluronic Acid Derivatives. Key Engineering Materials, 2007, 342-343, 525-528.	0.4	0
157	A Novel Branch-Type PEGylation of Aptamer Therapeutics. Key Engineering Materials, 2007, 342-343, 529-532.	0.4	2
158	Synthesis and degradation test of hyaluronic acid hydrogels. International Journal of Biological Macromolecules, 2007, 40, 374-380.	3.6	85
159	Injectable hyaluronic acid microhydrogels for controlled release formulation of erythropoietin. Journal of Biomedical Materials Research - Part A, 2007, 80A, 916-924.	2.1	35
160	Mechanical properties and degradation behaviors of hyaluronic acid hydrogels cross-linked at various cross-linking densities. Carbohydrate Polymers, 2007, 70, 251-257.	5.1	166
161	DNA/PEI/Alginate polyplex as an efficientin vivo gene delivery system. Biotechnology and Bioprocess Engineering, 2007, 12, 684-689.	1.4	42
162	Sustained release formulation of erythropoietin using hyaluronic acid hydrogels crosslinked by Michael addition. International Journal of Pharmaceutics, 2006, 322, 44-51.	2.6	64

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163	Selectively crosslinked hyaluronic acid hydrogels for sustained release formulation of erythropoietin. Journal of Biomedical Materials Research - Part A, 2006, 78A, 459-465.	2.1	50
164	Development of a novel sustained release formulation of recombinant human growth hormone using sodium hyaluronate microparticles. Journal of Controlled Release, 2005, 104, 323-335.	4.8	135
165	Anti-calcification of bovine pericardium for bioprosthetic heart valves after surface modification with hyaluronic acid derivatives. Biotechnology and Bioprocess Engineering, 2005, 10, 218-224.	1.4	21
166	Preparation and characterization of biocompatible polyelectrolyte complex multilayer of hyaluronic acid and poly-l-lysine. International Journal of Biological Macromolecules, 2005, 37, 227-231.	3.6	25
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168	Characterization of biocompatible polyelectrolyte complex multilayer of hyaluronic acid and poly-l-lysine. Biotechnology and Bioprocess Engineering, 2004, 9, 179-183.	1.4	15
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