Yongdoo Choi

List of Publications by Year
in descending order

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86 papers	4,555 citations	101543 36 h-index	102487 66 g-index
91 all docs	91 docs citations	91 times ranked	7399 citing authors

#	Article	IF	Citations
1	Quenched cetuximab conjugate for fast fluorescence imaging of EGFR-positive lung cancers. Biomaterials Science, 2021, 9, 456-462.	5.4	5
2	Ubiquinone-BODIPY nanoparticles for tumor redox-responsive fluorescence imaging and photodynamic activity. Journal of Materials Chemistry B, 2021, 9, 824-831.	5.8	9
3	Mini-Platform for Offâ€"On Near-Infrared Fluorescence Imaging Using Peptide-Targeting Ligands. Bioconjugate Chemistry, 2020, 31, 721-728.	3.6	9
4	A Quenched Annexin Vâ€Fluorophore for the Realâ€Time Fluorescence Imaging of Apoptotic Processes In Vitro and In Vivo. Advanced Science, 2020, 7, 2002988.	11.2	13
5	Realâ€Time Apoptosis Imaging: A Quenched Annexin Vâ€Fluorophore for the Realâ€Time Fluorescence Imaging of Apoptotic Processes In Vitro and In Vivo (Adv. Sci. 24/2020). Advanced Science, 2020, 7, 2070137.	11.2	0
6	Fucoidan-Based Theranostic Nanogel for Enhancing Imaging and Photodynamic Therapy of Cancer. Nano-Micro Letters, 2020, 12, 47.	27.0	53
7	Hydroxychloroquine-loaded hollow mesoporous silica nanoparticles for enhanced autophagy inhibition and radiation therapy. Journal of Controlled Release, 2020, 325, 100-110.	9.9	43
8	Indocyanine green-loaded injectable alginate hydrogel as a marker for precision cancer surgery. Quantitative Imaging in Medicine and Surgery, 2020, 10, 779-788.	2.0	15
9	Targeted, Stimuli-Responsive, and Theranostic ¹⁹F Magnetic Resonance Imaging Probes. Bioconjugate Chemistry, 2019, 30, 2502-2518.	3.6	46
10	Photoactivatable BODIPY Platform: Light-Triggered Anticancer Drug Release and Fluorescence Monitoring. ACS Applied Bio Materials, 2019, 2, 2567-2572.	4.6	19
11	Rapid histologic diagnosis using quick fluorescence staining and tissue confocal microscopy. Microscopy Research and Technique, 2019, 82, 892-897.	2.2	2
12	Zwitterionic near-infrared fluorophore-conjugated epidermal growth factor for fast, real-time, and target-cell-specific cancer imaging. Theranostics, 2019, 9, 1085-1095.	10.0	10
13	Porous platinum nanoparticles as a high-Z and oxygen generating nanozyme for enhanced radiotherapy in vivo. Biomaterials, 2019, 197, 12-19.	11.4	152
14	Multivalent mannose-decorated NIR nanoprobes for targeting pan lymph nodes. Chemical Engineering Journal, 2018, 340, 51-57.	12.7	22
15	A redox-responsive folateâ€"fluorophore conjugate as a new target-cell-specific imaging probe. Journal of Materials Chemistry B, 2018, 6, 2524-2527.	5.8	10
16	Mesoporous silica-based nanoplatforms for the delivery of photodynamic therapy agents. Journal of Pharmaceutical Investigation, 2018, 48, 3-17.	5.3	54
17	Rapid tissue histology using multichannel confocal fluorescence microscopy with focus tracking. Quantitative Imaging in Medicine and Surgery, 2018, 8, 884-893.	2.0	14
18	Recent advances in nanoparticle carriers for photodynamic therapy. Quantitative Imaging in Medicine and Surgery, 2018, 8, 433-443.	2.0	85

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19	Theranostic nanosystems for targeted cancer therapy. Nano Today, 2018, 23, 59-72.	11.9	86
20	Responsive alginate-cisplatin nanogels for selective imaging and combined chemo/radio therapy of proliferating macrophages. Quantitative Imaging in Medicine and Surgery, 2018, 8, 733-742.	2.0	23
21	Gold and Hairpin DNA Functionalization of Upconversion Nanocrystals for Imaging and In Vivo Drug Delivery. Advanced Materials, 2017, 29, 1700244.	21.0	186
22	Indocyanine green-loaded hollow mesoporous silica nanoparticles as an activatable theranostic agent. Nanotechnology, 2017, 28, 185102.	2.6	38
23	meso-ester BODIPYs for the imaging of hypoxia in tumor cells. Sensors and Actuators B: Chemical, 2017, 249, 229-234.	7.8	20
24	Enhanced Fluorescence Imaging and Photodynamic Cancer Therapy Using Hollow Mesoporous Nanocontainers. Chemistry - an Asian Journal, 2017, 12, 1700-1703.	3.3	11
25	CD44v8-10 as a potential theranostic biomarker for targeting disseminated cancer cells in advanced gastric cancer. Scientific Reports, 2017, 7, 4930.	3.3	16
26	Fluorescence imaging of spatial location of lipids and proteins during digestion of protein-stabilized oil-in-water emulsions: A simulated gastrointestinal tract study. Food Chemistry, 2017, 219, 297-303.	8.2	23
27	Redox-Responsive Manganese Dioxide Nanoparticles for Enhanced MR Imaging and Radiotherapy of Lung Cancer. Frontiers in Chemistry, 2017, 5, 109.	3.6	53
28	Antigen-responsive molecular sensor enables real-time tumor-specific imaging. Theranostics, 2017, 7, 952-961.	10.0	14
29	Methods of Hematoxylin and Erosin Image Information Acquisition and Optimization in Confocal Microscopy. Healthcare Informatics Research, 2016, 22, 238.	1.9	2
30	Photosensitizer-conjugated tryptophan-containing peptide ligands as new dual-targeted theranostics for cancers. International Journal of Pharmaceutics, 2016, 513, 584-590.	5.2	8
31	A redox-responsive theranostic agent for target-specific fluorescence imaging and photodynamic therapy of EGFR-overexpressing triple-negative breast cancers. Journal of Materials Chemistry B, 2016, 4, 6787-6790.	5.8	16
32	Photosensitizer-complexed polypyrrole nanoparticles for activatable fluorescence imaging and photodynamic therapy. Journal of Materials Chemistry B, 2016, 4, 7545-7548.	5.8	12
33	Polypyrrole-based nanotheranostics for activatable fluorescence imaging and chemo/photothermal dual therapy of triple-negative breast cancer. Nanotechnology, 2016, 27, 185102.	2.6	23
34	A novel endoscopic fluorescent band ligation method for tumor localization. Surgical Endoscopy and Other Interventional Techniques, 2016, 30, 4659-4663.	2.4	9
35	Lipase digestibility of the oil phase in a water-in-oil-in-water emulsion. Food Science and Biotechnology, 2015, 24, 513-520.	2.6	13
36	Electroactive Polypyrrole Nanowire Arrays: Synergistic Effect of Cancer Treatment by On-Demand Drug Release and Photothermal Therapy. Langmuir, 2015, 31, 4264-4269.	3.5	41

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37	A New Strategy for Fluorogenic Esterase Probes Displaying Low Levels of Nonâ€specific Hydrolysis. Chemistry - A European Journal, 2015, 21, 9645-9649.	3.3	52
38	Theranostic nanoparticles for enzyme-activatable fluorescence imaging and photodynamic/chemo dual therapy of triple-negative breast cancer. Quantitative Imaging in Medicine and Surgery, 2015, 5, 656-64.	2.0	31
39	Molecular Imaging: From Bench to Clinic. BioMed Research International, 2014, 2014, 1-3.	1.9	16
40	Hyaluronic acidâ€“polypyrrole nanoparticles as pH-responsive theranostics. Chemical Communications, 2014, 50, 15014-15017.	4.1	63
41	ROS-Responsive Activatable Photosensitizing Agent for Imaging and Photodynamic Therapy of Activated Macrophages. Theranostics, 2014, 4, 1-11.	10.0	112
42	Release properties of gel-type W/O/W encapsulation system prepared using enzymatically-modified starch. Food Chemistry, 2014, 157, 77-83.	8.2	14
43	A folate receptor-specific activatable probe for near-infrared fluorescence imaging of ovarian cancer. Chemical Communications, 2014, 50, 7507-7510.	4.1	45
44	A boronate-based fluorescent probe for the selective detection of cellular peroxynitrite. Chemical Communications, 2014, 50, 9353-9356.	4.1	113
45	Smart dual-functional warhead for folate receptor-specific activatable imaging and photodynamic therapy. Chemical Communications, 2014, 50, 10600-10603.	4.1	41
46	Implications of Web of Science journal impact factor for scientific output evaluation in 16 institutions and investigators' opinion. Quantitative Imaging in Medicine and Surgery, 2014, 4, 453-61.	2.0	23
47	Fluorometric sensing of intracellular thiols in living cells using a AuNPs/1-PR3+ adsorbate. Sensors and Actuators B: Chemical, 2013, 177, 467-471.	7.8	9
48	A ratiometric fluorescent probe based on a BODIPYâ€“DCDHF conjugate for the detection of hypochlorous acid in living cells. Analyst, The, 2013, 138, 3368.	3.5	103
49	A graphene oxideâ€“photosensitizer complex as an enzyme-activatable theranostic agent. Chemical Communications, 2013, 49, 1202.	4.1	72
50	Photosensitizer-conjugated polymeric nanoparticles for redox-responsive fluorescence imaging and photodynamic therapy. Journal of Materials Chemistry B, 2013, 1, 429-431.	5.8	54
51	Influence of environmental stresses on the stability of W/O/W emulsions containing enzymatically modified starch. Carbohydrate Polymers, 2013, 92, 1503-1511.	10.2	17
52	Photodynamic Therapy Using a Protease-Mediated Theranostic Agent Reduces Cathepsin-B Activity in Mouse Atheromata In Vivo. Arteriosclerosis, Thrombosis, and Vascular Biology, 2013, 33, 1360-1365.	2.4	48
53	Indocyanine green-loaded perfluorocarbon nanoemulsions for bimodal (19)F-magnetic resonance/nearinfrared fluorescence imaging and subsequent phototherapy. Quantitative Imaging in Medicine and Surgery, 2013, 3, 132-40.	2.0	35
54	Photosensitizer-Conjugated Gold Nanorods for Enzyme-Activatable Fluorescence Imaging and Photodynamic Therapy. Theranostics, 2012, 2, 190-197.	10.0	90

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55	Graphene oxideâ€“photosensitizer conjugate as a redox-responsive theranostic agent. Chemical Communications, 2012, 48, 9912.	4.1	88
56	Gold nanorods for target selective SPECT/CT imaging and photothermal therapy in vivo. Quantitative Imaging in Medicine and Surgery, 2012, 2, 1-11.	2.0	65
57	Atorvastatin and clopidogrel interfere with photosensitization in vitro. Photochemical and Photobiological Sciences, 2011, 10, 1587.	2.9	9
58	Visualization of tyrosinase activity in melanoma cells by a BODIPY-based fluorescent probe. Chemical Communications, 2011, 47, 12640.	4.1	90
59	Gold Nanorodâ^'Photosensitizer Complex for Near-Infrared Fluorescence Imaging and Photodynamic/Photothermal Therapy In Vivo. ACS Nano, 2011, 5, 1086-1094.	14.6	710
60	A BODIPYâ€Based Probe for the Selective Detection of Hypochlorous Acid in Living Cells. Chemistry - an Asian Journal, 2011, 6, 1358-1361.	3.3	107
61	A highly sensitive magnetite nanoparticle as a simple and rapid stem cell labelling agent for MRI tracking. Journal of Materials Chemistry, 2011, 21, 7742.	6.7	19
62	A novel endoscopic fluorescent clip for the localization of gastrointestinal tumors. Surgical Endoscopy and Other Interventional Techniques, 2011, 25, 2372-2377.	2.4	25
63	Heparin-based self-assembled nanoparticles for photodynamic therapy. Macromolecular Research, 2011, 19, 487-494.	2.4	25
64	Effects of Gold Nanorod Concentration on the Depthâ€Related Temperature Increase During Hyperthermic Ablation. Small, 2011, 7, 265-270.	10.0	56
65	Effects of enzymatically modified starch on the encapsulation efficiency and stability of water-in-oil-in-water emulsions. Food Chemistry, 2011, 128, 266-275.	8.2	28
66	A fluorescent turn-on probe for the detection of alkaline phosphatase activity in living cells. Chemical Communications, 2011, 47, 9825.	4.1	146
67	Preparation and Characterization of Water/Oil/Water Emulsions Stabilized by Polyglycerol Polyricinoleate and Whey Protein Isolate. Journal of Food Science, 2010, 75, E116-25.	3.1	54
68	Sensing Phosphatase Activity by Using Gold Nanoparticles. Angewandte Chemie - International Edition, 2007, 46, 707-709.	13.8	241
69	Membrane permeable esterase-activated fluorescent imaging probe. Bioorganic and Medicinal Chemistry Letters, 2007, 17, 5054-5057.	2.2	30
70	Chemopreventive efficacy of all-trans-retinoic acid in biodegradable microspheres against epithelial cancers: Results in a 4-nitroquinoline 1-oxide-induced oral carcinogenesis model. International Journal of Pharmaceutics, 2006, 320, 45-52.	5.2	5
71	A mitochondrial targeted fusion peptide exhibits remarkable cytotoxicity. Molecular Cancer Therapeutics, 2006, 5, 1944-1949.	4.1	108
72	Conjugation of a Photosensitizer to an Oligoarginine-Based Cell-Penetrating Peptide Increases the Efficacy of Photodynamic Therapy. ChemMedChem, 2006, 1, 458-463.	3.2	65

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73	Protease-Mediated Phototoxicity of a Polylysineâ€“Chlorine6 Conjugate. ChemMedChem, 2006, 1, 698-701.	3.2	32
74	Selective Antitumor Effect of Novel Protease-Mediated Photodynamic Agent. Cancer Research, 2006, 66, 7225-7229.	0.9	161
75	Chemoprevention of 4-NQO-induced oral carcinogenesis by co-administration of all-trans retinoic acid loaded microspheres and celecoxib. Journal of Controlled Release, 2005, 104, 167-179.	9.9	16
76	Polyethylene Glycol (PEG) Modified 99mTc-HMPAOLiposome for Improving Blood Circulation and Biodistribution: The Effect of the Extent of PEGylation. Cancer Biotherapy and Radiopharmaceuticals, 2005, 20, 620-628.	1.0	49
77	Augmentation of all-trans-retinoic acid concentration in plasma by preventing inflammation responses induced by atRA-loaded microspheres with concurrent treatment of dexamethasone. Drug Development Research, 2004, 61, 197-206.	2.9	0
78	Developing a Peptide-Based Near-Infrared Molecular Probe for Protease Sensing. Bioconjugate Chemistry, 2004, 15, 1403-1407.	3.6	145
79	Inhibition of tumor growth by biodegradable microspheres containing all-trans-retinoic acid in a human head-and-neck cancer xenograft. International Journal of Cancer, 2003, 107, 145-148.	5.1	31
80	Subacute toxicity of all-trans-retinoic acid loaded biodegradable microspheres in rats. Drug Development Research, 2003, 59, 326-332.	2.9	5
81	In vivo biocompatibility studies of poly(D,L-lactide)/poly(ethylene glycol)-poly(L-lactide) microspheres containing all-trans-retinoic acid. Journal of Biomaterials Science, Polymer Edition, 2002, 13, 301-322.	3.5	11
82	Acute toxicity of all-trans-retinoic acid loaded poly(L-lactide)/poly(ethylene glycol)-poly(L-lactide) microspheres in mice. Drug Development Research, 2002, 57, 134-139.	2.9	0
83	Poly(ethylene glycol)â€“poly(l-lactide) diblock copolymer prevents aggregation of poly(l-lactide) microspheres during ethylene oxide gas sterilization. Biomaterials, 2001, 22, 995-1004.	11.4	23
84	Inhibition effect of new farnesol derivatives on all-trans-retinoic acid metabolism. Metabolism: Clinical and Experimental, 2001, 50, 1356-1360.	3.4	4
85	Long-term delivery of all-trans-retinoic acid using biodegradable PLLA/PEG-PLLA blended microspheres. International Journal of Pharmaceutics, 2001, 215, 67-81.	5.2	52
86	Effects of ethylene oxide gas sterilization on physical properties of poly(L-lactide)â€“poly(ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 783-799.	3.5	4