

Yong-Min Huh

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7100184/publications.pdf>

Version: 2024-02-01

218
papers

13,434
citations

50566

48
h-index

27587

110
g-index

230
all docs

230
docs citations

230
times ranked

20189
citing authors

#	ARTICLE	IF	CITATIONS
1	Microfluidic device for one-step detection of breast cancer-derived exosomal mRNA in blood using signal-amplifiable 3D nanostructure. <i>Biosensors and Bioelectronics</i> , 2022, 197, 113753.	5.3	36
2	Simultaneous dual-targeted monitoring of breast cancer circulating miRNA via surface-enhanced Raman spectroscopy. <i>Biosensors and Bioelectronics</i> , 2022, 207, 114143.	5.3	21
3	Ligation-free isothermal nucleic acid amplification. <i>Biosensors and Bioelectronics</i> , 2022, 209, 114256.	5.3	5
4	SFRP4 and CDX1 Are Predictive Genes for Extragastric Recurrence of Early Gastric Cancer after Curative Resection. <i>Journal of Clinical Medicine</i> , 2022, 11, 3072.	1.0	1
5	Cationic poly(amino acid) surface functionalized manganese nanoparticles for nitric oxide-based immunotherapy and magnetic resonance imaging. <i>Journal of Materials Chemistry B</i> , 2022, 10, 5402-5409.	2.9	7
6	Loss of desmoglein-2 promotes gallbladder carcinoma progression and resistance to EGFR-targeted therapy through Src kinase activation. <i>Cell Death and Differentiation</i> , 2021, 28, 968-984.	5.0	9
7	A radiomics-based model for predicting prognosis of locally advanced gastric cancer in the preoperative setting. <i>Scientific Reports</i> , 2021, 11, 1879.	1.6	20
8	In vivo monitoring platform of transplanted human stem cells using magnetic resonance imaging. <i>Biosensors and Bioelectronics</i> , 2021, 178, 113039.	5.3	4
9	Utilization of chromogenic enzyme substrates for signal amplification in multiplexed detection of biomolecules using surface mass spectrometry. <i>Sensors and Actuators B: Chemical</i> , 2021, 332, 129452.	4.0	9
10	Genetic changes and growth promotion of glioblastoma by magnetic nanoparticles and a magnetic field. <i>Nanomedicine</i> , 2021, 16, 787-800.	1.7	1
11	Characterization of Proton-Irradiated Polyaniline Nanoparticles Using Terahertz Thermal Spectroscopy. <i>Crystals</i> , 2021, 11, 765.	1.0	2
12	Immunomagnetic microfluidic integrated system for potency-based multiple separation of heterogeneous stem cells with high throughput capabilities. <i>Biosensors and Bioelectronics</i> , 2021, 194, 113576.	5.3	6
13	Active colorimetric lipid-coated polyaniline nanoparticles for redox state sensing in cancer cells. <i>Journal of Materials Chemistry B</i> , 2021, 9, 3131-3135.	2.9	1
14	²⁹ Si Isotope-Enriched Silicon Nanoparticles for an Efficient Hyperpolarized Magnetic Resonance Imaging Probe. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 56923-56930.	4.0	8
15	Single patient classifier as a prognostic biomarker in pT1N1 gastric cancer: Results from two large Korean cohorts. <i>Chinese Journal of Cancer Research: Official Journal of China Anti-Cancer Association, Beijing Institute for Cancer Research</i> , 2021, 33, 583-591.	0.7	2
16	Polyunsaturated fatty acid biosynthesis pathway determines ferroptosis sensitivity in gastric cancer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 32433-32442.	3.3	200
17	Ambient carbon monoxide exposure and elevated risk of mortality in the glioblastoma patients: A double-cohort retrospective observational study. <i>Cancer Medicine</i> , 2020, 9, 9018-9026.	1.3	6
18	Urinary exosomal mRNA detection using novel isothermal gene amplification method based on three-way junction. <i>Biosensors and Bioelectronics</i> , 2020, 167, 112474.	5.3	18

#	ARTICLE	IF	CITATIONS
19	Contrast-enhanced ultrasound liver imaging reporting and data system for diagnosing hepatocellular carcinoma: A meta-analysis. <i>Liver International</i> , 2020, 40, 2345-2352.	1.9	22
20	Multimodal cellular redox nanosensors based on self-doped polyaniline nanocomposites. <i>Journal of Materials Chemistry B</i> , 2020, 8, 10739-10743.	2.9	2
21	Co-expression of cancer driver genes: IDH-wildtype glioblastoma-derived tumorspheres. <i>Journal of Translational Medicine</i> , 2020, 18, 482.	1.8	4
22	L-glutamine as a T ₂ exchange contrast agent. <i>Magnetic Resonance in Medicine</i> , 2020, 84, 2055-2062.	1.9	5
23	Deconvolution of diffuse gastric cancer and the suppression of CD34 on the BALB/c nude mice model. <i>BMC Cancer</i> , 2020, 20, 314.	1.1	74
24	Inner structure- and surface-controlled hollow MnO nanocubes for high sensitive MR imaging contrast effect. <i>Nano Convergence</i> , 2020, 7, 16.	6.3	12
25	T2-Weighted and Ultra-short TE Molecular Magnetic Resonance Imaging for Gastric Cancer Diagnosis using Polymer-based Magnetic Nanoparticles. <i>Journal of Magnetics</i> , 2020, 25, 567-576.	0.2	0
26	Distinctive Nanogels as High-Efficiency Transdermal Carriers for Skin Wound Healing. <i>Journal of Biomedical Nanotechnology</i> , 2020, 16, 304-314.	0.5	1
27	Fluorescence amplified sensing platforms enabling miRNA detection by self-circulation of a molecular beacon circuit. <i>Chemical Communications</i> , 2019, 55, 3457-3460.	2.2	31
28	Single Patient Classifier Assay, Microsatellite Instability, and Epstein-Barr Virus Status Predict Clinical Outcomes in Stage II/III Gastric Cancer: Results from CLASSIC Trial. <i>Yonsei Medical Journal</i> , 2019, 60, 132.	0.9	31
29	Sensitive Plasmonic Detection of miR-10b in Biological Samples Using Enzyme-Assisted Target Recycling and Developed LSPR Probe. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 18923-18929.	4.0	34
30	Efficient Self-Assembled MicroRNA Delivery System Consisting of Cholesterol-Conjugated MicroRNA and PEGylated Polycationic Polymer for Tumor Treatment. <i>ACS Applied Bio Materials</i> , 2019, 2, 2219-2228.	2.3	5
31	PEGylated Magnetic Nano-Assemblies as Contrast Agents for Effective T2-Weighted MR Imaging. <i>Nanomaterials</i> , 2019, 9, 410.	1.9	6
32	Detection of Keratinizing Squamous Cell Carcinoma of The Tongue Using Terahertz Reflection Imaging. , 2019, , .		0
33	Investigation of Keratinizing Squamous Cell Carcinoma of the Tongue Using Terahertz Reflection Imaging. <i>Journal of Infrared, Millimeter, and Terahertz Waves</i> , 2019, 40, 247-256.	1.2	15
34	Functionalized Magnetic PLGA Nanospheres for Targeting and Bioimaging of Breast Cancer. <i>Journal of Nanoscience and Nanotechnology</i> , 2018, 18, 1542-1547.	0.9	14
35	TOF-SIMS analysis of an isocitrate dehydrogenase 1 mutation-associated oncometabolite in cancer cells. <i>Biointerphases</i> , 2018, 13, 03B404.	0.6	5
36	Convenient Monitoring System of Intracellular microRNA Expression during Adipogenesis via Mechanical Stimulus-Induced Exocytosis of Lipovesicular miRNA Beacon. <i>Advanced Healthcare Materials</i> , 2018, 7, 1701019.	3.9	7

#	ARTICLE	IF	CITATIONS
37	Discrimination of single nucleotide mismatches using a scalable, flexible, and transparent three-dimensional nanostructure-based plasmonic miRNA sensor with high sensitivity. <i>Biosensors and Bioelectronics</i> , 2018, 113, 39-45.	5.3	36
38	Predictive test for chemotherapy response in resectable gastric cancer: a multi-cohort, retrospective analysis. <i>Lancet Oncology</i> , The, 2018, 19, 629-638.	5.1	172
39	Measuring water contents in animal organ tissues using terahertz spectroscopic imaging. <i>Biomedical Optics Express</i> , 2018, 9, 1582.	1.5	30
40	Modification of the TNM Staging System for Stage II/III Gastric Cancer Based on a Prognostic Single Patient Classifier Algorithm. <i>Journal of Gastric Cancer</i> , 2018, 18, 142.	0.9	12
41	Study of molecular structure change of d- and l-glucose by proton irradiation using terahertz spectroscopy. <i>Infrared Physics and Technology</i> , 2018, 93, 154-157.	1.3	11
42	Minimum hyaluronic acid (HA) modified magnetic nanocrystals with less facilitated cancer migration and drug resistance for targeting CD44 abundant cancer cells by MR imaging. <i>Journal of Materials Chemistry B</i> , 2017, 5, 1400-1407.	2.9	9
43	Terahertz Reflection-Mode Biological Imaging Based on InP HBT Source and Detector. <i>IEEE Transactions on Terahertz Science and Technology</i> , 2017, 7, 274-283.	2.0	27
44	Instantaneous pH-Boosted Functionalization of Stellate Gold Nanoparticles for Intracellular Imaging of miRNA. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 17702-17709.	4.0	11
45	Strategies for using nanoprobe to perceive and treat cancer activity: a review. <i>Journal of Biological Engineering</i> , 2017, 11, 13.	2.0	11
46	Preparation of gold core-mesoporous iron-oxide shell nanoparticles and their application as dual MR/CT contrast agent in human gastric cancer cells. <i>Journal of Industrial and Engineering Chemistry</i> , 2017, 48, 56-65.	2.9	14
47	Sensors: Nanogap-Rich Au Nanowire SERS Sensor for Ultrasensitive Telomerase Activity Detection: Application to Gastric and Breast Cancer Tissues Diagnosis (<i>Adv. Funct. Mater.</i> 37/2017). <i>Advanced Functional Materials</i> , 2017, 27, .	7.8	1
48	Stent containing CD44-targeting polymeric prodrug nanoparticles that release paclitaxel and gemcitabine in a time interval-controlled manner for synergistic human biliary cancer therapy. <i>Journal of Materials Chemistry B</i> , 2017, 5, 6317-6324.	2.9	5
49	Nanogap-Rich Au Nanowire SERS Sensor for Ultrasensitive Telomerase Activity Detection: Application to Gastric and Breast Cancer Tissues Diagnosis. <i>Advanced Functional Materials</i> , 2017, 27, 1701832.	7.8	86
50	Anchored protease-activatable polymersomes for molecular diagnostics of metastatic cancer cells. <i>Journal of Materials Chemistry B</i> , 2017, 5, 9571-9578.	2.9	14
51	Tumor Mesenchymal Stem-Like Cell as a Prognostic Marker in Primary Glioblastoma. <i>Stem Cells International</i> , 2016, 2016, 1-7.	1.2	20
52	Terahertz otoscope and potential for diagnosing otitis media. <i>Biomedical Optics Express</i> , 2016, 7, 1201.	1.5	22
53	Nanovesicle-mediated systemic delivery of microRNA-34a for CD44 overexpressing gastric cancer stem cell therapy. <i>Biomaterials</i> , 2016, 105, 12-24.	5.7	63
54	Isolation and characterization of tumorspheres from a recurrent pineoblastoma patient: Feasibility of a patient-derived xenograft. <i>International Journal of Oncology</i> , 2016, 49, 569-578.	1.4	14

#	ARTICLE	IF	CITATIONS
55	Redoxable heteronanocrystals functioning magnetic relaxation switch for activatable T1 and T2 dual-mode magnetic resonance imaging. <i>Biomaterials</i> , 2016, 101, 121-130.	5.7	58
56	Failure of a patient-derived xenograft for brain tumor model prepared by implantation of tissue fragments. <i>Cancer Cell International</i> , 2016, 16, 43.	1.8	17
57	Atorvastatin Protects NSC-34 Motor Neurons Against Oxidative Stress by Activating PI3K, ERK and Free Radical Scavenging. <i>Molecular Neurobiology</i> , 2016, 53, 695-705.	1.9	28
58	Cancer theranosis using mono-disperse, mesoporous gold nanoparticles obtained via a robust, high-yield synthetic methodology. <i>RSC Advances</i> , 2016, 6, 13554-13561.	1.7	14
59	Serially Ordered Magnetization of Nanoclusters via Control of Various Transition Metal Dopants for the Multifractionation of Cells in Microfluidic Magnetophoresis Devices. <i>Analytical Chemistry</i> , 2016, 88, 1078-1082.	3.2	5
60	Magnetic Nanovector Enabling miRNA-34a Delivery for CD44 Suppression with Concurrent MR Imaging. <i>Journal of Nanoscience and Nanotechnology</i> , 2016, 16, 12939-12946.	0.9	3
61	Receptor tyrosine kinase amplified gastric cancer: Clinicopathologic characteristics and proposed screening algorithm. <i>Oncotarget</i> , 2016, 7, 72099-72112.	0.8	16
62	Absorption spectrum of gafchromic® EBT2 film with angular rotation. <i>Journal of the Korean Physical Society</i> , 2015, 67, 52-56.	0.3	1
63	Synthesis of Stable Magnetic Polyaniline Nanohybrids with Pyrene as a Cross-Linker for Simultaneous Diagnosis by Magnetic Resonance Imaging and Photothermal Therapy. <i>European Journal of Inorganic Chemistry</i> , 2015, 2015, 3740-3747.	1.0	12
64	Comparative hyperthermia effects of silica–gold nanoshells with different surface coverage of gold clusters on epithelial tumor cells. <i>International Journal of Nanomedicine</i> , 2015, 10, 261.	3.3	14
65	Compensatory UTE/T2W Imaging of Inflammatory Vascular Wall in Hyperlipidemic Rabbits. <i>PLoS ONE</i> , 2015, 10, e0124572.	1.1	2
66	T2- and T2*-weighted MRI of rat glioma using polysorbate-coated magnetic nanocrystals as a blood-pool contrast agent. <i>RSC Advances</i> , 2015, 5, 19708-19714.	1.7	1
67	Self-Doped Conjugated Polymeric Nanoassembly by Simplified Process for Optical Cancer Theragnosis. <i>Advanced Functional Materials</i> , 2015, 25, 2260-2269.	7.8	20
68	A systematic study of core size and coating thickness on manganese-doped nanocrystals for high T2 relaxivity as magnetic resonance contrast agent. <i>Nano Convergence</i> , 2015, 2, .	6.3	5
69	Galactosylated magnetic nanovectors for regulation of lipid metabolism based on biomarker-specific RNAi and MR imaging. <i>Nanotechnology</i> , 2015, 26, 335101.	1.3	1
70	Co-delivery of paclitaxel and gemcitabine via CD44-targeting nanocarriers as a prodrug with synergistic antitumor activity against human biliary cancer. <i>Biomaterials</i> , 2015, 53, 763-774.	5.7	112
71	Colourimetric redox-polyaniline nanoindicator for in situ vesicular trafficking of intracellular transport. <i>Nano Research</i> , 2015, 8, 1169-1179.	5.8	8
72	Feasibility of terahertz reflectometry for discrimination of human early gastric cancers. <i>Biomedical Optics Express</i> , 2015, 6, 1398.	1.5	69

#	ARTICLE	IF	CITATIONS
73	Metabolic stress induces a Wnt-dependent cancer stem cell-like state transition. <i>Cell Death and Disease</i> , 2015, 6, e1805-e1805.	2.7	39
74	Nanomaterials for Theranostics: Recent Advances and Future Challenges. <i>Chemical Reviews</i> , 2015, 115, 327-394.	23.0	1,063
75	A Multistep Photothermic-Driven Drug Release System Using Wire-Framed Au Nanobundles. <i>Advanced Healthcare Materials</i> , 2015, 4, 255-263.	3.9	8
76	Pseudo metal generation via catalytic oxidative polymerization on the surface of reactive template for redox switched off-on photothermal therapy. <i>Journal of Materials Chemistry B</i> , 2015, 3, 505-513.	2.9	8
77	One-pot synthesis of magnetic nanoclusters enabling atherosclerosis-targeted magnetic resonance imaging. <i>International Journal of Nanomedicine</i> , 2014, 9, 2489.	3.3	4
78	Study of freshly excised brain tissues using terahertz imaging. <i>Biomedical Optics Express</i> , 2014, 5, 2837.	1.5	145
79	Terahertz spectroscopic imaging and properties of gastrointestinal tract in a rat model. <i>Biomedical Optics Express</i> , 2014, 5, 4162.	1.5	32
80	Cross-linked Iron Oxide Nanoparticles for Therapeutic Engineering and in Vivo Monitoring of Mesenchymal Stem Cells in Cerebral Ischemia Model. <i>Macromolecular Bioscience</i> , 2014, 14, 380-389.	2.1	11
81	Aptamer-conjugated magnetic nanoparticles enable efficient targeted detection of integrin $\alpha_3\beta_1$ via magnetic resonance imaging. <i>Journal of Biomedical Materials Research - Part A</i> , 2014, 102, 49-59.	2.1	31
82	Maleimidyl magnetic nanoplatform for facile molecular MRI. <i>Nanotechnology</i> , 2014, 25, 275102.	1.3	8
83	Prognostic Value of Glioma Cancer Stem Cell Isolation in Survival of Primary Glioblastoma Patients. <i>Stem Cells International</i> , 2014, 2014, 1-6.	1.2	18
84	Magnetic Nanoclusters Engineered by Polymer-Controlled Self-Assembly for the Accurate Diagnosis of Atherosclerotic Plaques via Magnetic Resonance Imaging. <i>Macromolecular Bioscience</i> , 2014, 14, 943-952.	2.1	16
85	Imidazolized magnetic nanovectors with endosome disrupting moieties for the intracellular delivery and imaging of siRNA. <i>Journal of Materials Chemistry B</i> , 2014, 2, 8566-8575.	2.9	9
86	Gadolinium-Enriched Polyaniline Particles (GPAPs) for Simultaneous Diagnostic Imaging and Localized Photothermal Therapy of Epithelial Cancer. <i>Advanced Healthcare Materials</i> , 2014, 3, 1408-1414.	3.9	34
87	Molecular recognition of proteolytic activity in metastatic cancer cells using fluorogenic gold nanoprobos. <i>Biosensors and Bioelectronics</i> , 2014, 57, 171-178.	5.3	15
88	Gadolinium-based nanoparticles for highly efficient T1-weighted magnetic resonance imaging. <i>Nanotechnology</i> , 2014, 25, 245103.	1.3	12
89	Facile Preparation of Pyrene-templated Hexagonal-shaped Gold Nanoplates. <i>Applied Science and Convergence Technology</i> , 2014, 23, 48-53.	0.3	0
90	Isolation of tumor spheres and mesenchymal stem-like cells from a single primitive neuroectodermal tumor specimen. <i>Child's Nervous System</i> , 2013, 29, 2229-2239.	0.6	14

#	ARTICLE	IF	CITATIONS
91	Magnetic nanocomplexes and the physiological challenges associated with their use for cancer imaging and therapy. <i>Journal of Materials Chemistry B</i> , 2013, 1, 729-739.	2.9	36
92	Existence of glioma stroma mesenchymal stemlike cells in Korean glioma specimens. <i>Child's Nervous System</i> , 2013, 29, 549-563.	0.6	26
93	Carbon Nanotube-Patterned Surface-Based Recognition of Carcinoembryonic Antigens in Tumor Cells for Cancer Diagnosis. <i>Journal of Physical Chemistry Letters</i> , 2013, 4, 1126-1130.	2.1	14
94	Efficient CD44-targeted magnetic resonance imaging (MRI) of breast cancer cells using hyaluronic acid (HA)-modified MnFe ₂ O ₄ nanocrystals. <i>Nanoscale Research Letters</i> , 2013, 8, 149.	3.1	33
95	Double-ligand modulation for engineering magnetic nanoclusters. <i>Nanoscale Research Letters</i> , 2013, 8, 104.	3.1	11
96	Coenzyme Q10 Restores Amyloid Beta-Inhibited Proliferation of Neural Stem Cells by Activating the PI3K Pathway. <i>Stem Cells and Development</i> , 2013, 22, 2112-2120.	1.1	36
97	Continuous Coaxial Electrohydrodynamic Atomization System for Water- <i>Stable Wrapping of Magnetic Nanoparticles</i> . <i>Small</i> , 2013, 9, 2325-2330.	5.2	7
98	Ultrafast Spin-Resolved Spectroscopy Reveals Dominant Exciton Dynamics in Conducting Polymer Polyaniline. <i>Journal of Physical Chemistry C</i> , 2013, 117, 20371-20375.	1.5	8
99	Aptamer-conjugated gold nanorod for photothermal ablation of epidermal growth factor receptor-overexpressed epithelial cancer. <i>Journal of Biomedical Optics</i> , 2013, 19, 051203.	1.4	22
100	Aptamer-modified magnetic nanoprobe for molecular MR imaging of VEGFR2 on angiogenic vasculature. <i>Nanoscale Research Letters</i> , 2013, 8, 399.	3.1	39
101	A Biodegradable Polymersome Containing Bcl- <i>siRNA and Doxorubicin as a Dual Delivery Vehicle for a Synergistic Anticancer Effect</i> . <i>Macromolecular Bioscience</i> , 2013, 13, 745-754.	2.1	46
102	Hy-Hyaluronan nanocarriers for CD44-targeted and pH-boosted aromatic drug delivery. <i>Journal of Materials Chemistry B</i> , 2013, 1, 5686.	2.9	19
103	One-step electrochemical fabrication of vertically self-organized silver nanograss. <i>Journal of Materials Chemistry A</i> , 2013, 1, 4851.	5.2	27
104	CD44-specific supramolecular hydrogels for fluorescence molecular imaging of stem-like gastric cancer cells. <i>Integrative Biology (United Kingdom)</i> , 2013, 5, 669.	0.6	21
105	Changes in the biological characteristics of glioma cancer stem cells after serial in vivo subtransplantation. <i>Child's Nervous System</i> , 2013, 29, 55-64.	0.6	10
106	Isolation of glioma cancer stem cells in relation to histological grades in glioma specimens. <i>Child's Nervous System</i> , 2013, 29, 217-229.	0.6	51
107	Hyaluronic acid receptor-targetable imidazolized nanovectors for induction of gastric cancer cell death by RNA interference. <i>Biomaterials</i> , 2013, 34, 4327-4338.	5.7	36
108	Increased in vivo angiogenic effect of glioma stromal mesenchymal stem-like cells on glioma cancer stem cells from patients with glioblastoma. <i>International Journal of Oncology</i> , 2013, 42, 1754-1762.	1.4	30

#	ARTICLE	IF	CITATIONS
109	A Highly Crystalline Manganese-Doped Iron Oxide Nanocontainer with Predesigned Void Volume and Shape for Theranostic Applications. <i>Advanced Materials</i> , 2013, 25, 3202-3208.	11.1	31
110	Redox-sensitive colorimetric polyaniline nanoprobe synthesized by a solvent-shift process. <i>Nano Research</i> , 2013, 6, 356-364.	5.8	20
111	Chitosan-based intelligent theragnosis nanocomposites enable pH-sensitive drug release with MR-guided imaging for cancer therapy. <i>Nanoscale Research Letters</i> , 2013, 8, 467.	3.1	64
112	Galactosylated manganese ferrite nanoparticles for targeted MR imaging of asialoglycoprotein receptor. <i>Nanotechnology</i> , 2013, 24, 475103.	1.3	16
113	Isolation of mesenchymal stem-like cells in meningioma specimens. <i>International Journal of Oncology</i> , 2013, 43, 1260-1268.	1.4	21
114	Measurement depth enhancement in terahertz imaging of biological tissues. <i>Optics Express</i> , 2013, 21, 21299.	1.7	82
115	Molecular sensing for biomarkers of invasive cancer cells using localized surface plasmon resonance. , 2013, , .		1
116	Characterization of blood using terahertz waves. <i>Journal of Biomedical Optics</i> , 2013, 18, 107008.	1.4	38
117	Localized surface plasmon resonance based nanobiosensor for biomarker detection of invasive cancer cells. <i>Journal of Biomedical Optics</i> , 2013, 19, 051202.	1.4	27
118	Aptamer-conjugated gold nanorod for photothermal ablation of EGFR-overexpressed epithelial cancer. , 2013, , .		0
119	Delivery of Cancer Therapeutics Using Nanotechnology. <i>Pharmaceutics</i> , 2013, 5, 294-317.	2.0	98
120	Functional Nanoplatforams for Enhancement of Chemotherapeutic Index. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2013, 13, 212-221.	0.9	3
121	Nanobiosensors Based on Localized Surface Plasmon Resonance for Biomarker Detection. <i>Journal of Nanomaterials</i> , 2012, 2012, 1-13.	1.5	96
122	Gold Nanorod-Mediated Photothermal Modulation for Localized Ablation of Cancer Cells. <i>Journal of Nanomaterials</i> , 2012, 2012, 1-7.	1.5	15
123	Î²-PIX Is Critical for Transplanted Mesenchymal Stromal Cell Migration. <i>Stem Cells and Development</i> , 2012, 21, 1989-1999.	1.1	12
124	Effect of Ligand Structure on MnO Nanoparticles for Enhanced ¹ T ₁ Magnetic Resonance Imaging of Inflammatory Macrophages. <i>European Journal of Inorganic Chemistry</i> , 2012, 2012, 5960-5965.	1.0	15
125	Self-fabricated dextran-coated gold nanoparticles using pyrenyl dextran as a reducible stabilizer and their application as CT imaging agents for atherosclerosis. <i>Journal of Materials Chemistry</i> , 2012, 22, 17518.	6.7	25
126	Photo-thermal therapeutics control technique using terahertz waves. , 2012, , .		0

#	ARTICLE	IF	CITATIONS
127	Br-Assisted Ostwald Ripening of Au Nanoparticles under H ₂ O ₂ Redox. <i>Crystal Growth and Design</i> , 2012, 12, 37-39.	1.4	38
128	Role of surface charge in cytotoxicity of charged manganese ferrite nanoparticles towards macrophages. <i>Nanotechnology</i> , 2012, 23, 505702.	1.3	29
129	Fabrication of a near-infrared sensor using a polyaniline conducting polymer thin film. <i>Thin Solid Films</i> , 2012, 520, 6818-6821.	0.8	13
130	Consecutive Targetable Smart Nanoprobe for Molecular Recognition of Cytoplasmic microRNA in Metastatic Breast Cancer. <i>ACS Nano</i> , 2012, 6, 8525-8535.	7.3	83
131	Medical application of THz imaging technique. , 2012, , .		3
132	Effectively enhanced sensitivity of a polyaniline-carbon nanotube composite thin film bolometric near-infrared sensor. <i>Journal of Materials Chemistry</i> , 2012, 22, 3215.	6.7	31
133	Synthesis of hybrid organic-inorganic near-IR responsive magnetic nanoparticles for cancer theragnosis. <i>Proceedings of SPIE</i> , 2012, , .	0.8	0
134	Highly selective CD44-specific gold nanorods for photothermal ablation of tumorigenic subpopulations generated in MCF7 mammospheres. <i>Nanotechnology</i> , 2012, 23, 465101.	1.3	20
135	Targetable Gold Nanorods for Epithelial Cancer Therapy Guided by Near-IR Absorption Imaging. <i>Small</i> , 2012, 8, 746-753.	5.2	98
136	Innenr¼cktitelbild: Real-Time Quantitative Monitoring of Specific Peptide Cleavage by a Proteinase for Cancer Diagnosis (<i>Angew. Chem.</i> 24/2012). <i>Angewandte Chemie</i> , 2012, 124, 6119-6119.	1.6	0
137	Real-Time Quantitative Monitoring of Specific Peptide Cleavage by a Proteinase for Cancer Diagnosis. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 5837-5841.	7.2	28
138	Inside Back Cover: Real-Time Quantitative Monitoring of Specific Peptide Cleavage by a Proteinase for Cancer Diagnosis (<i>Angew. Chem. Int. Ed.</i> 24/2012). <i>Angewandte Chemie - International Edition</i> , 2012, 51, 6015-6015.	7.2	0
139	A reverse complementary multimodal imaging system to visualize microRNA9-involved neurogenesis using peptide targeting transferrin receptor-conjugated magnetic fluorescence nanoparticles. <i>Biomaterials</i> , 2012, 33, 6456-6467.	5.7	20
140	Anchored Proteinase-Targetable Optomagnetic Nanoprobes for Molecular Imaging of Invasive Cancer Cells. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 945-948.	7.2	42
141	Cancer Diagnosis by Terahertz Molecular Imaging Technique. <i>Journal of Infrared, Millimeter, and Terahertz Waves</i> , 2012, 33, 74-81.	1.2	37
142	Single-Molecule Recognition of Biomolecular Interaction <i>via</i> Kelvin Probe Force Microscopy. <i>ACS Nano</i> , 2011, 5, 6981-6990.	7.3	59
143	Molecular imaging with terahertz waves. <i>Optics Express</i> , 2011, 19, 4009.	1.7	87
144	Sensitive Angiogenesis Imaging of Orthotopic Bladder Tumors in Mice Using a Selective Magnetic Resonance Imaging Contrast Agent Containing VEGF121/rGel. <i>Investigative Radiology</i> , 2011, 46, 441-449.	3.5	35

#	ARTICLE	IF	CITATIONS
145	Hyaluronan-modified magnetic nanoclusters for detection of CD44-overexpressing breast cancer by MR imaging. <i>Biomaterials</i> , 2011, 32, 7941-7950.	5.7	104
146	Dextran-coated magnetic nanoclusters as highly sensitive contrast agents for magnetic resonance imaging of inflammatory macrophages. <i>Journal of Materials Chemistry</i> , 2011, 21, 12473.	6.7	32
147	Characterization of blood cells by using terahertz waves. , 2011, , .		0
148	Presence of glioma stroma mesenchymal stem cells in a murine orthotopic glioma model. <i>Child's Nervous System</i> , 2011, 27, 911-922.	0.6	24
149	Specific Near-IR Absorption Imaging of Glioblastomas Using Integrin-Targeting Gold Nanorods. <i>Advanced Functional Materials</i> , 2011, 21, 1082-1088.	7.8	71
150	pH-Triggered Drug-Releasing Magnetic Nanoparticles for Cancer Therapy Guided by Molecular Imaging by MRI. <i>Advanced Materials</i> , 2011, 23, 2436-2442.	11.1	194
151	Convertible Organic Nanoparticles for Near-Infrared Photothermal Ablation of Cancer Cells. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 441-444.	7.2	440
152	Urchin-Shaped Manganese Oxide Nanoparticles as pH-Responsive Activatable Contrast Agents for Magnetic Resonance Imaging. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 10589-10593.	7.2	141
153	Ambidextrous magnetic nanovectors for synchronous gene transfection and labeling of human MSCs. <i>Biomaterials</i> , 2011, 32, 6174-6182.	5.7	18
154	Gold Nanostructures as Photothermal Therapy Agent for Cancer. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2011, 11, 953-964.	0.9	51
155	Terahertz pulse imaging of fresh brain tumor. , 2011, , .		7
156	Design and Synthesis of Biofunctionalized Metallic/Magnetic Nanomaterials. <i>Methods in Molecular Biology</i> , 2011, 751, 583-595.	0.4	3
157	Imaging of Nanoparticle Delivery Using Terahertz Waves. <i>Fundamental Biomedical Technologies</i> , 2011, , 701-711.	0.2	1
158	Prostate cancer cell death produced by the co-delivery of Bcl-xL shRNA and doxorubicin using an aptamer-conjugated polyplex. <i>Biomaterials</i> , 2010, 31, 4592-4599.	5.7	153
159	Magnetoplex based on MnFe ₂ O ₄ nanocrystals for magnetic labeling and MR imaging of human mesenchymal stem cells. <i>Journal of Nanoparticle Research</i> , 2010, 12, 1275-1283.	0.8	9
160	Synthesis of aminated polysorbate 80 for polyplex-mediated gene transfection. <i>Biotechnology Progress</i> , 2010, 26, 1528-1533.	1.3	5
161	Self-assembled fluorescent magnetic nanoprobe for multimode-biomedical imaging. <i>Biomaterials</i> , 2010, 31, 9310-9319.	5.7	52
162	Transduction of human EPO into human bone marrow mesenchymal stromal cells synergistically enhances cell-protective and migratory effects. <i>Molecular Biology</i> , 2010, 44, 577-584.	0.4	6

#	ARTICLE	IF	CITATIONS
163	High-sensitivity terahertz imaging technique using nanoparticle probes for medical applications. , 2010, , .		2
164	Thiolated Dextran-Coated Gold Nanorods for Photothermal Ablation of Inflammatory Macrophages. Langmuir, 2010, 26, 17520-17527.	1.6	67
165	Activatable nanomaterials at the forefront of biomedical sciences. Journal of Materials Chemistry, 2010, 20, 8194.	6.7	21
166	Nanomechanical In Situ Monitoring of Proteolysis of Peptide by Cathepsin B. PLoS ONE, 2009, 4, e6248.	1.1	26
167	A new terahertz technique for cancer diagnosis: T probe. , 2009, , .		0
168	The Usefulness of Virtual MR Arthroscopy as an Adjunct to Conventional MR Arthrography in Detecting Anterior Labral Lesions of the Shoulder. American Journal of Roentgenology, 2009, 192, W149-W155.	1.0	12
169	Nanograting-based plasmon enhancement for total internal reflection fluorescence microscopy of live cells. Nanotechnology, 2009, 20, 015202.	1.3	34
170	Gold-layered calcium phosphate plasmonic resonants for localized photothermal treatment of human epithelial cancer. Journal of Materials Chemistry, 2009, 19, 2902.	6.7	14
171	Smart Drug-Loaded Polymer Gold Nanoshells for Systemic and Localized Therapy of Human Epithelial Cancer. Advanced Materials, 2009, 21, 4339-4342.	11.1	151
172	In vivo magnetic resonance imaging of injected mesenchymal stem cells in rat myocardial infarction; simultaneous cell tracking and left ventricular function measurement. International Journal of Cardiovascular Imaging, 2009, 25, 99-109.	0.7	31
173	Synthesis and characterization of fluorescent magneto polymeric nanoparticles (FMPNs) for bimodal imaging probes. Journal of Colloid and Interface Science, 2009, 340, 176-181.	5.0	10
174	Nanoparticle-enabled terahertz imaging for cancer diagnosis. Optics Express, 2009, 17, 3469.	1.7	161
175	Synthesis of gold nanorod-embedded polymeric nanoparticles by a nanoprecipitation method for use as photothermal agents. Nanotechnology, 2009, 20, 365602.	1.3	44
176	Self-labeled magneto nanoprobe using tri-aminated polysorbate 80 for detection of human mesenchymal stem cells. Journal of Materials Chemistry, 2009, 19, 8958.	6.7	21
177	Enhancement of cellular binding efficiency and cytotoxicity using polyethylene glycol base triblock copolymeric nanoparticles for targeted drug delivery. Journal of Biomedical Materials Research - Part A, 2008, 84A, 273-280.	2.1	15
178	Novel hyaluronic acid (HA) coated drug carriers (HCDCs) for human breast cancer treatment. Biotechnology and Bioengineering, 2008, 99, 442-454.	1.7	65
179	Multifunctional Magnetic Gold Nanocomposites: Human Epithelial Cancer Detection via Magnetic Resonance Imaging and Localized Synchronous Therapy. Advanced Functional Materials, 2008, 18, 258-264.	7.8	123
180	Enhancement of magnetic resonance contrast effect using ionic magnetic clusters. Journal of Colloid and Interface Science, 2008, 319, 429-434.	5.0	21

#	ARTICLE	IF	CITATIONS
181	Fluorescent magnetic nanohybrids as multimodal imaging agents for human epithelial cancer detection. <i>Biomaterials</i> , 2008, 29, 2548-2555.	5.7	91
182	Synthesis of water soluble PEGylated magnetic complexes using mPEG-fatty acid for biomedical applications. <i>Colloids and Surfaces B: Biointerfaces</i> , 2008, 64, 111-117.	2.5	21
183	Hollow Silica Nanocontainers as Drug Delivery Vehicles. <i>Langmuir</i> , 2008, 24, 3417-3421.	1.6	230
184	Implantation of human umbilical cord-derived mesenchymal stem cells as a neuroprotective therapy for ischemic stroke in rats. <i>Brain Research</i> , 2008, 1229, 233-248.	1.1	203
185	Nanohybrids via a polycation-based nanoemulsion method for dual-mode detection of human mesenchymal stem cells. <i>Journal of Materials Chemistry</i> , 2008, 18, 4402.	6.7	12
186	In Situ Detection of Live Cancer Cells by Using Bioprobes Based on Au Nanoparticles. <i>Langmuir</i> , 2008, 24, 12112-12115.	1.6	38
187	Smart nanoprobe for ultrasensitive detection of breast cancer via magnetic resonance imaging. <i>Nanotechnology</i> , 2008, 19, 485101.	1.3	22
188	Magnetic sensitivity enhanced novel fluorescent magnetic silica nanoparticles for biomedical applications. <i>Nanotechnology</i> , 2008, 19, 075610.	1.3	21
189	Terahertz dynamics of electrolytes in aqueous biological media. , 2008, , .		0
190	Nanoparticle contrast agents for Terahertz medical imaging. , 2008, , .		4
191	Feasibility study of enhanced total internal reflection fluorescence imaging using dielectric films. , 2008, , .		0
192	Ankle MRI for Anterolateral Soft Tissue Impingement: Increased Accuracy with the Use of Contrast-Enhanced Fat-Suppressed 3D-FSPGR MRI. <i>Korean Journal of Radiology</i> , 2008, 9, 409.	1.5	13
193	Chronic Tibiofibular Syndesmosis Injury of Ankle: Evaluation with Contrast-enhanced Fat-suppressed 3D Fast Spoiled Gradient-recalled Acquisition in the Steady State MR Imaging. <i>Radiology</i> , 2007, 242, 225-235.	3.6	44
194	Novel multifunctional PHDCA/PEI nano-drug carriers for simultaneous magnetically targeted cancer therapy and diagnosis via magnetic resonance imaging. <i>Nanotechnology</i> , 2007, 18, 475105.	1.3	32
195	Overcoming Artifacts from Metallic Orthopedic Implants at High-Field-Strength MR Imaging and Multi-detector CT. <i>Radiographics</i> , 2007, 27, 791-803.	1.4	479
196	Thin-film-based sensitivity enhancement for total internal reflection fluorescence live-cell imaging. <i>Optics Letters</i> , 2007, 32, 3062.	1.7	15
197	Antibody conjugated magnetic PLGA nanoparticles for diagnosis and treatment of breast cancer. <i>Journal of Materials Chemistry</i> , 2007, 17, 2695.	6.7	176
198	Synthesis of Ultrasensitive Magnetic Resonance Contrast Agents for Cancer Imaging Using PEG-Fatty Acid. <i>Chemistry of Materials</i> , 2007, 19, 3870-3876.	3.2	73

#	ARTICLE	IF	CITATIONS
199	Morton neuroma: evaluated with ultrasonography and MR imaging. Korean Journal of Radiology, 2007, 8, 148.	1.5	67
200	Multifunctional Magneto-Polymeric Nanohybrids for Targeted Detection and Synergistic Therapeutic Effects on Breast Cancer. Angewandte Chemie - International Edition, 2007, 46, 8836-8839.	7.2	311
201	Hybrid Nanoparticles for Magnetic Resonance Imaging of Target-Specific Viral Gene Delivery. Advanced Materials, 2007, 19, 3109-3112.	11.1	83
202	Artificially engineered magnetic nanoparticles for ultra-sensitive molecular imaging. Nature Medicine, 2007, 13, 95-99.	15.2	1,756
203	Retargeting of adenoviral gene delivery via Herceptin-PEG-adenovirus conjugates to breast cancer cells. Journal of Controlled Release, 2007, 123, 164-171.	4.8	51
204	Motions of magnetic nanosphere under the magnetic field in the rectangular microchannel. Journal of Magnetism and Magnetic Materials, 2007, 317, 34-40.	1.0	11
205	Role of magnetic resonance imaging in entrapment and compressive neuropathy-what, where, and how to see the peripheral nerves on the musculoskeletal magnetic resonance image: part 1. Overview and lower extremity. European Radiology, 2007, 17, 139-149.	2.3	119
206	Role of magnetic resonance imaging in entrapment and compressive neuropathy-what, where, and how to see the peripheral nerves on the musculoskeletal magnetic resonance image: part 2. Upper extremity. European Radiology, 2007, 17, 509-522.	2.3	113
207	Nanomedical imaging: In vivo imaging with smart nanohybrid. Current Applied Physics, 2006, 6, e22-e25.	1.1	3
208	In vivo MR Imaging of Tissue-engineered Human Mesenchymal Stem Cells Transplanted to Mouse: a Preliminary Study. Annals of Biomedical Engineering, 2006, 35, 101-108.	1.3	37
209	Anterior-inferior labral lesions of recurrent shoulder dislocation evaluated by MR arthrography in an adduction internal rotation (ADIR) position. Journal of Magnetic Resonance Imaging, 2006, 23, 29-35.	1.9	48
210	Nanoscale Size Effect of Magnetic Nanocrystals and Their Utilization for Cancer Diagnosis via Magnetic Resonance Imaging. Journal of the American Chemical Society, 2005, 127, 5732-5733.	6.6	1,131
211	The Role of Popliteal Lymph Nodes in Differentiating Rheumatoid Arthritis from Osteoarthritis by Using CE 3D-FSPGR MR Imaging: Relationship of the Inflamed Synovial Volume. Korean Journal of Radiology, 2005, 6, 117.	1.5	16
212	Intracellular translocation of superparamagnetic iron oxide nanoparticles encapsulated with peptide-conjugated poly(D,L-lactide-co-glycolide). Journal of Applied Physics, 2005, 97, 10Q913.	1.1	18
213	Surface Modulation of Magnetic Nanocrystals in the Development of Highly Efficient Magnetic Resonance Probes for Intracellular Labeling. Journal of the American Chemical Society, 2005, 127, 9992-9993.	6.6	299
214	In Vivo Magnetic Resonance Detection of Cancer by Using Multifunctional Magnetic Nanocrystals. Journal of the American Chemical Society, 2005, 127, 12387-12391.	6.6	829
215	Soft Tissue Impingement Syndrome of the Ankle: Diagnostic Efficacy of MRI and Clinical Results after Arthroscopic Treatment. Foot and Ankle International, 2004, 25, 896-902.	1.1	47
216	Synovitis and soft tissue impingement of the ankle: Assessment with enhanced three-dimensional FSPGR MR imaging. Journal of Magnetic Resonance Imaging, 2004, 19, 108-116.	1.9	36

#	ARTICLE	IF	CITATIONS
217	Simultaneous acquisition of perfusion and permeability from corrected relaxation rates with dynamic susceptibility contrast dual gradient echo. <i>Magnetic Resonance Imaging</i> , 2004, 22, 307-314.	1.0	15
218	Role of the inflamed synovial volume of the wrist in defining remission of rheumatoid arthritis with gadolinium-enhanced 3D-SPGR MR imaging. <i>Journal of Magnetic Resonance Imaging</i> , 1999, 10, 202-208.	1.9	27