Yong-Min Huh

List of Publications by Year in Descending Order

210 papers	11,310 citations	46 h-index	102 g-index
230 ext. papers	12,418 ext. citations	7.6 avg, IF	5.81 L-index

#	Paper	IF	Citations
210	Microfluidic device for one-step detection of breast cancer-derived exosomal mRNA in blood using signal-amplifiable 3D nanostructure. *Biosensors and Bioelectronics*, **2022**, 197, 113753	11.8	7
209	Simultaneous dual-targeted monitoring of breast cancer circulating miRNA via surface-enhanced Raman spectroscopy.. *Biosensors and Bioelectronics*, **2022**, 207, 114143	11.8	2
208	Ligation-free isothermal nucleic acid amplification.. *Biosensors and Bioelectronics*, **2022**, 209, 114256	11.8	0
207	SFRP4 and CDX1 Are Predictive Genes for Extragastric Recurrence of Early Gastric Cancer after Curative Resection. *Journal of Clinical Medicine*, **2022**, 11, 3072	5.1	
206	Si Isotope-Enriched Silicon Nanoparticles for an Efficient Hyperpolarized Magnetic Resonance Imaging Probe. *ACS Applied Materials & Interfaces*, **2021**, 13, 56923-56930	9.5	0
205	Single patient classifier as a prognostic biomarker in pT1N1 gastric cancer: Results from two large Korean cohorts. *Chinese Journal of Cancer Research: Official Journal of China Anti-Cancer Association, Beijing Institute for Cancer Research*, **2021**, 33, 583-591	3.8	1
204	In vivo monitoring platform of transplanted human stem cells using magnetic resonance imaging. *Biosensors and Bioelectronics*, **2021**, 178, 113039	11.8	4
203	Utilization of chromogenic enzyme substrates for signal amplification in multiplexed detection of biomolecules using surface mass spectrometry. *Sensors and Actuators B: Chemical*, **2021**, 332,	8.5	5
202	Genetic changes and growth promotion of glioblastoma by magnetic nanoparticles and a magnetic field. *Nanomedicine*, **2021**, 16, 787-800	5.6	0
201	Characterization of Proton-Irradiated Polyaniline Nanoparticles Using Terahertz Thermal Spectroscopy. *Crystals*, **2021**, 11, 765	2.3	2
200	Loss of desmoglein-2 promotes gallbladder carcinoma progression and resistance to EGFR-targeted therapy through Src kinase activation. *Cell Death and Differentiation*, **2021**, 28, 968-984	12.7	5
199	A radiomics-based model for predicting prognosis of locally advanced gastric cancer in the preoperative setting. *Scientific Reports*, **2021**, 11, 1879	4.9	8
198	Immunomagnetic microfluidic integrated system for potency-based multiple separation of heterogeneous stem cells with high throughput capabilities. *Biosensors and Bioelectronics*, **2021**, 194, 113576	11.8	3
197	Active colorimetric lipid-coated polyaniline nanoparticles for redox state sensing in cancer cells. *Journal of Materials Chemistry B*, **2021**, 9, 3131-3135	7.3	0
196	Co-expression of cancer driver genes: IDH-wildtype glioblastoma-derived tumorspheres. *Journal of Translational Medicine*, **2020**, 18, 482	8.5	2
195	L-glutamine as a T exchange contrast agent. *Magnetic Resonance in Medicine*, **2020**, 84, 2055-2062	4.4	2
194	Inner structure- and surface-controlled hollow MnO nanocubes for high sensitive MR imaging contrast effect. *Nano Convergence*, **2020**, 7, 16	9.2	3

193	Polyunsaturated fatty acid biosynthesis pathway determines ferroptosis sensitivity in gastric cancer. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 32433-32442	11.5	54
192	Ambient carbon monoxide exposure and elevated risk of mortality in the glioblastoma patients: A double-cohort retrospective observational study. *Cancer Medicine*, **2020**, 9, 9018-9026	4.8	2
191	Urinary exosomal mRNA detection using novel isothermal gene amplification method based on three-way junction. *Biosensors and Bioelectronics*, **2020**, 167, 112474	11.8	8
190	Contrast-enhanced ultrasound liver imaging reporting and data system for diagnosing hepatocellular carcinoma: A meta-analysis. *Liver International*, **2020**, 40, 2345-2352	7.9	8
189	Multimodal cellular redox nanosensors based on self-doped polyaniline nanocomposites. *Journal of Materials Chemistry B*, **2020**, 8, 10739-10743	7.3	2
188	Deconvolution of diffuse gastric cancer and the suppression of CD34 on the BALB/c nude mice model. *BMC Cancer*, **2020**, 20, 314	4.8	29
187	Fluorescence amplified sensing platforms enabling miRNA detection by self-circulation of a molecular beacon circuit. *Chemical Communications*, **2019**, 55, 3457-3460	5.8	21
186	Single Patient Classifier Assay, Microsatellite Instability, and Epstein-Barr Virus Status Predict Clinical Outcomes in Stage II/III Gastric Cancer: Results from CLASSIC Trial. *Yonsei Medical Journal*, **2019**, 60, 132-139	3	22
185	Sensitive Plasmonic Detection of miR-10b in Biological Samples Using Enzyme-Assisted Target Recycling and Developed LSPR Probe. *ACS Applied Materials & Interfaces*, **2019**, 11, 18923-18929	9.5	25
184	Efficient Self-Assembled MicroRNA Delivery System Consisting of Cholesterol-Conjugated MicroRNA and PEGylated Polycationic Polymer for Tumor Treatment.. *ACS Applied Bio Materials*, **2019**, 2, 2219-2228	4.1	2
183	PEGylated Magnetic Nano-Assemblies as Contrast Agents for Effective T2-Weighted MR Imaging. *Nanomaterials*, **2019**, 9,	5.4	3
182	Investigation of Keratinizing Squamous Cell Carcinoma of the Tongue Using Terahertz Reflection Imaging. *Journal of Infrared, Millimeter, and Terahertz Waves*, **2019**, 40, 247-256	2.2	5
181	Functionalized Magnetic PLGA Nanospheres for Targeting and Bioimaging of Breast Cancer. *Journal of Nanoscience and Nanotechnology*, **2018**, 18, 1542-1547	1.3	8
180	TOF-SIMS analysis of an isocitrate dehydrogenase 1 mutation-associated oncometabolite in cancer cells. *Biointerphases*, **2018**, 13, 03B404	1.8	3
179	Convenient Monitoring System of Intracellular microRNA Expression during Adipogenesis via Mechanical Stimulus-Induced Exocytosis of Lipovesicular miRNA Beacon. *Advanced Healthcare Materials*, **2018**, 7, 1701019	10.1	5
178	Discrimination of single nucleotide mismatches using a scalable, flexible, and transparent three-dimensional nanostructure-based plasmonic miRNA sensor with high sensitivity. *Biosensors and Bioelectronics*, **2018**, 113, 39-45	11.8	28
177	Predictive test for chemotherapy response in resectable gastric cancer: a multi-cohort, retrospective analysis. *Lancet Oncology, The*, **2018**, 19, 629-638	21.7	108
176	Measuring water contents in animal organ tissues using terahertz spectroscopic imaging. *Biomedical Optics Express*, **2018**, 9, 1582-1589	3.5	13

175	Modification of the TNM Staging System for Stage II/III Gastric Cancer Based on a Prognostic Single Patient Classifier Algorithm. *Journal of Gastric Cancer*, **2018**, 18, 142-151	3.2	11
174	Study of molecular structure change of d- and l-glucose by proton irradiation using terahertz spectroscopy. *Infrared Physics and Technology*, **2018**, 93, 154-157	2.7	7
173	Minimum hyaluronic acid (HA) modified magnetic nanocrystals with less facilitated cancer migration and drug resistance for targeting CD44 abundant cancer cells by MR imaging. *Journal of Materials Chemistry B*, **2017**, 5, 1400-1407	7.3	7
172	Terahertz Reflection-Mode Biological Imaging Based on InP HBT Source and Detector. *IEEE Transactions on Terahertz Science and Technology*, **2017**, 7, 274-283	3.4	16
171	Instantaneous pH-Boosted Functionalization of Stellate Gold Nanoparticles for Intracellular Imaging of miRNA. *ACS Applied Materials & Interfaces*, **2017**, 9, 17702-17709	9.5	8
170	Strategies for using nanoprobes to perceive and treat cancer activity: a review. *Journal of Biological Engineering*, **2017**, 11, 13	6.3	9
169	Preparation of gold core-mesoporous iron-oxide shell nanoparticles and their application as dual MR/CT contrast agent in human gastric cancer cells. *Journal of Industrial and Engineering Chemistry*, **2017**, 48, 56-65	6.3	9
168	Stent containing CD44-targeting polymeric prodrug nanoparticles that release paclitaxel and gemcitabine in a time interval-controlled manner for synergistic human biliary cancer therapy. *Journal of Materials Chemistry B*, **2017**, 5, 6317-6324	7.3	5
167	Nanogap-Rich Au Nanowire SERS Sensor for Ultrasensitive Telomerase Activity Detection: Application to Gastric and Breast Cancer Tissues Diagnosis. *Advanced Functional Materials*, **2017**, 27, 1701832	15.6	64
166	Anchored protease-activatable polymersomes for molecular diagnostics of metastatic cancer cells. *Journal of Materials Chemistry B*, **2017**, 5, 9571-9578	7.3	13
165	Isolation and characterization of tumorspheres from a recurrent pineoblastoma patient: Feasibility of a patient-derived xenograft. *International Journal of Oncology*, **2016**, 49, 569-78	4.4	10
164	Redoxable heteronanocrystals functioning magnetic relaxation switch for activatable T1 and T2 dual-mode magnetic resonance imaging. *Biomaterials*, **2016**, 101, 121-30	15.6	40
163	Failure of a patient-derived xenograft for brain tumor model prepared by implantation of tissue fragments. *Cancer Cell International*, **2016**, 16, 43	6.4	13
162	Atorvastatin Protects NSC-34 Motor Neurons Against Oxidative Stress by Activating PI3K, ERK and Free Radical Scavenging. *Molecular Neurobiology*, **2016**, 53, 695-705	6.2	23
161	Cancer theranosis using mono-disperse, mesoporous gold nanoparticles obtained via a robust, high-yield synthetic methodology. *RSC Advances*, **2016**, 6, 13554-13561	3.7	11
160	Serially Ordered Magnetization of Nanoclusters via Control of Various Transition Metal Dopants for the Multifractionation of Cells in Microfluidic Magnetophoresis Devices. *Analytical Chemistry*, **2016**, 88, 1078-82	7.8	4
159	Magnetic Nanovector Enabling miRNA-34a Delivery for CD44 Suppression with Concurrent MR Imaging. *Journal of Nanoscience and Nanotechnology*, **2016**, 16, 12939-12946	1.3	3
158	Receptor tyrosine kinase amplified gastric cancer: Clinicopathologic characteristics and proposed screening algorithm. *Oncotarget*, **2016**, 7, 72099-72112	3.3	11

157	Tumor Mesenchymal Stem-Like Cell as a Prognostic Marker in Primary Glioblastoma. *Stem Cells International*, **2016**, 2016, 6756983	5	16
156	Terahertz otoscope and potential for diagnosing otitis media. *Biomedical Optics Express*, **2016**, 7, 1201-9	3.5	13
155	Nanovesicle-mediated systemic delivery of microRNA-34a for CD44 overexpressing gastric cancer stem cell therapy. *Biomaterials*, **2016**, 105, 12-24	15.6	52
154	Self-Doped Conjugated Polymeric Nanoassembly by Simplified Process for Optical Cancer Theragnosis. *Advanced Functional Materials*, **2015**, 25, 2260-2269	15.6	16
153	A systematic study of core size and coating thickness on manganese-doped nanocrystals for high T2 relaxivity as magnetic resonance contrast agent. *Nano Convergence*, **2015**, 2,	9.2	4
152	Galactosylated magnetic nanovectors for regulation of lipid metabolism based on biomarker-specific RNAi and MR imaging. *Nanotechnology*, **2015**, 26, 335101	3.4	1
151	Co-delivery of paclitaxel and gemcitabine via CD44-targeting nanocarriers as a prodrug with synergistic antitumor activity against human biliary cancer. *Biomaterials*, **2015**, 53, 763-74	15.6	97
150	Colourimetric redox-polyaniline nanoindicator for in situ vesicular trafficking of intracellular transport. *Nano Research*, **2015**, 8, 1169-1179	10	6
149	Feasibility of terahertz reflectometry for discrimination of human early gastric cancers. *Biomedical Optics Express*, **2015**, 6, 1398-406	3.5	47
148	Metabolic stress induces a Wnt-dependent cancer stem cell-like state transition. *Cell Death and Disease*, **2015**, 6, e1805	9.8	26
147	Nanomaterials for theranostics: recent advances and future challenges. *Chemical Reviews*, **2015**, 115, 327-94	68.1	883
146	A multistep photothermic-driven drug release system using wire-framed Au nanobundles. *Advanced Healthcare Materials*, **2015**, 4, 255-63	10.1	7
145	Pseudo metal generation via catalytic oxidative polymerization on the surface of reactive template for redox switched off-on photothermal therapy. *Journal of Materials Chemistry B*, **2015**, 3, 505-513	7.3	7
144	Absorption spectrum of gafchromic EBT2 film with angular rotation. *Journal of the Korean Physical Society*, **2015**, 67, 52-56	0.6	1
143	Synthesis of Stable Magnetic Polyaniline Nanohybrids with Pyrene as a Cross-Linker for Simultaneous Diagnosis by Magnetic Resonance Imaging and Photothermal Therapy. *European Journal of Inorganic Chemistry*, **2015**, 2015, 3740-3747	2.3	10
142	Comparative hyperthermia effects of silica-gold nanoshells with different surface coverage of gold clusters on epithelial tumor cells. *International Journal of Nanomedicine*, **2015**, 10, 261-71	7.3	12
141	Compensatory UTE/T2W Imaging of Inflammatory Vascular Wall in Hyperlipidemic Rabbits. *PLoS ONE*, **2015**, 10, e0124572	3.7	1
140	T 2 - and T*2-weighted MRI of rat glioma using polysorbate-coated magnetic nanocrystals as a blood-pool contrast agent. *RSC Advances*, **2015**, 5, 19708-19714	3.7	1

139	Magnetic nanoclusters engineered by polymer-controlled self-assembly for the accurate diagnosis of atherosclerotic plaques via magnetic resonance imaging. *Macromolecular Bioscience*, **2014**, 14, 943-52	5.5	13
138	Imidazolized magnetic nanovectors with endosome disrupting moieties for the intracellular delivery and imaging of siRNA. *Journal of Materials Chemistry B*, **2014**, 2, 8566-8575	7.3	9
137	Gadolinium-enriched polyaniline particles (GPAPs) for simultaneous diagnostic imaging and localized photothermal therapy of epithelial cancer. *Advanced Healthcare Materials*, **2014**, 3, 1408-14	10.1	33
136	Molecular recognition of proteolytic activity in metastatic cancer cells using fluorogenic gold nanoprobes. *Biosensors and Bioelectronics*, **2014**, 57, 171-8	11.8	14
135	Gadolinium-based nanoparticles for highly efficient T1-weighted magnetic resonance imaging. *Nanotechnology*, **2014**, 25, 245103	3.4	10
134	Aptamer-conjugated gold nanorod for photothermal ablation of epidermal growth factor receptor-overexpressed epithelial cancer. *Journal of Biomedical Optics*, **2014**, 19, 051203	3.5	18
133	One-pot synthesis of magnetic nanoclusters enabling atherosclerosis-targeted magnetic resonance imaging. *International Journal of Nanomedicine*, **2014**, 9, 2489-98	7.3	4
132	Study of freshly excised brain tissues using terahertz imaging. *Biomedical Optics Express*, **2014**, 5, 2837-43	3.5	108
131	Terahertz spectroscopic imaging and properties of gastrointestinal tract in a rat model. *Biomedical Optics Express*, **2014**, 5, 4162-70	3.5	25
130	Cross-linked iron oxide nanoparticles for therapeutic engineering and in vivo monitoring of mesenchymal stem cells in cerebral ischemia model. *Macromolecular Bioscience*, **2014**, 14, 380-9	5.5	9
129	Aptamer-conjugated magnetic nanoparticles enable efficient targeted detection of integrin □3 via magnetic resonance imaging. *Journal of Biomedical Materials Research - Part A*, **2014**, 102, 49-59	5.4	27
128	Maleimidyl magnetic nanoplatform for facile molecular MRI. *Nanotechnology*, **2014**, 25, 275102	3.4	6
127	Prognostic value of glioma cancer stem cell isolation in survival of primary glioblastoma patients. *Stem Cells International*, **2014**, 2014, 838950	5	15
126	Localized surface plasmon resonance based nanobiosensor for biomarker detection of invasive cancer cells. *Journal of Biomedical Optics*, **2014**, 19, 051202	3.5	24
125	Facile Preparation of Pyrene-templated Hexagonal-shaped Gold Nanoplates. *Applied Science and Convergence Technology*, **2014**, 23, 48-53	0.8	
124	Isolation of tumor spheres and mesenchymal stem-like cells from a single primitive neuroectodermal tumor specimen. *Child's Nervous System*, **2013**, 29, 2229-39	1.7	13
123	Magnetic nanocomplexes and the physiological challenges associated with their use for cancer imaging and therapy. *Journal of Materials Chemistry B*, **2013**, 1, 729-739	7.3	33
122	Existence of glioma stroma mesenchymal stemlike cells in Korean glioma specimens. *Child's Nervous System*, **2013**, 29, 549-63	1.7	22

121	Carbon Nanotube-Patterned Surface-Based Recognition of Carcinoembryonic Antigens in Tumor Cells for Cancer Diagnosis. *Journal of Physical Chemistry Letters*, **2013**, 4, 1126-30	6.4	14
120	Efficient CD44-targeted magnetic resonance imaging (MRI) of breast cancer cells using hyaluronic acid (HA)-modified MnFe2O4 nanocrystals. *Nanoscale Research Letters*, **2013**, 8, 149	5	31
119	Double-ligand modulation for engineering magnetic nanoclusters. *Nanoscale Research Letters*, **2013**, 8, 104	5	10
118	Coenzyme Q10 restores amyloid beta-inhibited proliferation of neural stem cells by activating the PI3K pathway. *Stem Cells and Development*, **2013**, 22, 2112-20	4.4	30
117	Continuous coaxial electrohydrodynamic atomization system for water-stable wrapping of magnetic nanoparticles. *Small*, **2013**, 9, 2325-30	11	6
116	Ultrafast Spin-Resolved Spectroscopy Reveals Dominant Exciton Dynamics in Conducting Polymer Polyaniline. *Journal of Physical Chemistry C*, **2013**, 117, 20371-20375	3.8	4
115	Aptamer-modified magnetic nanoprobe for molecular MR imaging of VEGFR2 on angiogenic vasculature. *Nanoscale Research Letters*, **2013**, 8, 399	5	34
114	A biodegradable polymersome containing Bcl-xL siRNA and doxorubicin as a dual delivery vehicle for a synergistic anticancer effect. *Macromolecular Bioscience*, **2013**, 13, 745-54	5.5	42
113	Hyaluronan nanocarriers for CD44-targeted and pH-boosted aromatic drug delivery. *Journal of Materials Chemistry B*, **2013**, 1, 5686-5693	7.3	17
112	One-step electrochemical fabrication of vertically self-organized silver nanograss. *Journal of Materials Chemistry A*, **2013**, 1, 4851	13	19
111	CD44-specific supramolecular hydrogels for fluorescence molecular imaging of stem-like gastric cancer cells. *Integrative Biology (United Kingdom)*, **2013**, 5, 669-72	3.7	17
110	Changes in the biological characteristics of glioma cancer stem cells after serial in vivo subtransplantation. *Childs Nervous System*, **2013**, 29, 55-64	1.7	10
109	Isolation of glioma cancer stem cells in relation to histological grades in glioma specimens. *Childs Nervous System*, **2013**, 29, 217-29	1.7	42
108	Hyaluronic acid receptor-targetable imidazolized nanovectors for induction of gastric cancer cell death by RNA interference. *Biomaterials*, **2013**, 34, 4327-38	15.6	33
107	Increased in vivo angiogenic effect of glioma stromal mesenchymal stem-like cells on glioma cancer stem cells from patients with glioblastoma. *International Journal of Oncology*, **2013**, 42, 1754-62	4.4	25
106	A highly crystalline manganese-doped iron oxide nanocontainer with predesigned void volume and shape for theranostic applications. *Advanced Materials*, **2013**, 25, 3202-8	24	31
105	Redox-sensitive colorimetric polyaniline nanoprobes synthesized by a solvent-shift process. *Nano Research*, **2013**, 6, 356-364	10	16
104	Chitosan-based intelligent theragnosis nanocomposites enable pH-sensitive drug release with MR-guided imaging for cancer therapy. *Nanoscale Research Letters*, **2013**, 8, 467	5	56

103	Galactosylated manganese ferrite nanoparticles for targeted MR imaging of asialoglycoprotein receptor. *Nanotechnology*, **2013**, 24, 475103	3.4	14
102	Isolation of mesenchymal stem-like cells in meningioma specimens. *International Journal of Oncology*, **2013**, 43, 1260-8	4.4	20
101	Measurement depth enhancement in terahertz imaging of biological tissues. *Optics Express*, **2013**, 21, 21299-305	3.3	63
100	Molecular sensing for biomarkers of invasive cancer cells using localized surface plasmon resonance **2013**,		1
99	Characterization of blood using terahertz waves. *Journal of Biomedical Optics*, **2013**, 18, 107008	3.5	31
98	Delivery of cancer therapeutics using nanotechnology. *Pharmaceutics*, **2013**, 5, 294-317	6.4	74
97	Functional nanoplatforms for enhancement of chemotherapeutic index. *Anti-Cancer Agents in Medicinal Chemistry*, **2013**, 13, 212-21	2.2	2
96	A reverse complementary multimodal imaging system to visualize microRNA9-involved neurogenesis using peptide targeting transferrin receptor-conjugated magnetic fluorescence nanoparticles. *Biomaterials*, **2012**, 33, 6456-67	15.6	18
95	Anchored proteinase-targetable optomagnetic nanoprobes for molecular imaging of invasive cancer cells. *Angewandte Chemie - International Edition*, **2012**, 51, 945-8	16.4	41
94	Cancer Diagnosis by Terahertz Molecular Imaging Technique. *Journal of Infrared, Millimeter, and Terahertz Waves*, **2012**, 33, 74-81	2.2	27
93	Effect of Ligand Structure on MnO Nanoparticles for Enhanced T1 Magnetic Resonance Imaging of Inflammatory Macrophages. *European Journal of Inorganic Chemistry*, **2012**, 2012, 5960-5965	2.3	14
92	Self-fabricated dextran-coated gold nanoparticles using pyrenyl dextran as a reducible stabilizer and their application as CT imaging agents for atherosclerosis. *Journal of Materials Chemistry*, **2012**, 22, 17518		24
91	Br-Assisted Ostwald Ripening of Au Nanoparticles under H2O2 Redox. *Crystal Growth and Design*, **2012**, 12, 37-39	3.5	30
90	Role of surface charge in cytotoxicity of charged manganese ferrite nanoparticles towards macrophages. *Nanotechnology*, **2012**, 23, 505702	3.4	25
89	Fabrication of a near-infrared sensor using a polyaniline conducting polymer thin film. *Thin Solid Films*, **2012**, 520, 6818-6821	2.2	10
88	Consecutive targetable smart nanoprobe for molecular recognition of cytoplasmic microRNA in metastatic breast cancer. *ACS Nano*, **2012**, 6, 8525-35	16.7	74
87	Effectively enhanced sensitivity of a polyaniline–carbon nanotube composite thin film bolometric near-infrared sensor. *Journal of Materials Chemistry*, **2012**, 22, 3215		29
86	Highly selective CD44-specific gold nanorods for photothermal ablation of tumorigenic subpopulations generated in MCF7 mammospheres. *Nanotechnology*, **2012**, 23, 465101	3.4	17

85	Targetable gold nanorods for epithelial cancer therapy guided by near-IR absorption imaging. *Small* , **2012**, 8, 746-53	11	87
84	Anchored Proteinase-Targetable Optomagnetic Nanoprobes for Molecular Imaging of Invasive Cancer Cells. *Angewandte Chemie*, **2012**, 124, 969-972	3.6	3
83	Real-Time Quantitative Monitoring of Specific Peptide Cleavage by a Proteinase for Cancer Diagnosis. *Angewandte Chemie*, **2012**, 124, 5939-5943	3.6	4
82	Innenr□ktitelbild: Real-Time Quantitative Monitoring of Specific Peptide Cleavage by a Proteinase for Cancer Diagnosis (Angew. Chem. 24/2012). *Angewandte Chemie*, **2012**, 124, 6119-6119	3.6	
81	Real-time quantitative monitoring of specific peptide cleavage by a proteinase for cancer diagnosis. *Angewandte Chemie - International Edition*, **2012**, 51, 5837-41	16.4	23
80	Inside Back Cover: Real-Time Quantitative Monitoring of Specific Peptide Cleavage by a Proteinase for Cancer Diagnosis (Angew. Chem. Int. Ed. 24/2012). *Angewandte Chemie - International Edition*, **2012**, 51, 6015-6015	16.4	
79	Nanobiosensors Based on Localized Surface Plasmon Resonance for Biomarker Detection. *Journal of Nanomaterials*, **2012**, 2012, 1-13	3.2	64
78	Gold Nanorod-Mediated Photothermal Modulation for Localized Ablation of Cancer Cells. *Journal of Nanomaterials*, **2012**, 2012, 1-7	3.2	13
77	□PIX is critical for transplanted mesenchymal stromal cell migration. *Stem Cells and Development*, **2012**, 21, 1989-99	4.4	11
76	Single-molecule recognition of biomolecular interaction via Kelvin probe force microscopy. *ACS Nano*, **2011**, 5, 6981-90	16.7	46
75	Molecular imaging with terahertz waves. *Optics Express*, **2011**, 19, 4009-16	3.3	72
74	Sensitive angiogenesis imaging of orthotopic bladder tumors in mice using a selective magnetic resonance imaging contrast agent containing VEGF121/rGel. *Investigative Radiology*, **2011**, 46, 441-9	10.1	31
73	Hyaluronan-modified magnetic nanoclusters for detection of CD44-overexpressing breast cancer by MR imaging. *Biomaterials*, **2011**, 32, 7941-50	15.6	98
72	Dextran-coated magnetic nanoclusters as highly sensitive contrast agents for magnetic resonance imaging of inflammatory macrophages. *Journal of Materials Chemistry*, **2011**, 21, 12473		29
71	Presence of glioma stroma mesenchymal stem cells in a murine orthotopic glioma model. *Childs Nervous System*, **2011**, 27, 911-22	1.7	22
70	Specific Near-IR Absorption Imaging of Glioblastomas Using Integrin-Targeting Gold Nanorods. *Advanced Functional Materials*, **2011**, 21, 1082-1088	15.6	59
69	pH-triggered drug-releasing magnetic nanoparticles for cancer therapy guided by molecular imaging by MRI. *Advanced Materials*, **2011**, 23, 2436-42	24	174
68	Convertible Organic Nanoparticles for Near-Infrared Photothermal Ablation of Cancer Cells. *Angewandte Chemie*, **2011**, 123, 461-464	3.6	54

67	Urchin-Shaped Manganese Oxide Nanoparticles as pH-Responsive Activatable T1 Contrast Agents for Magnetic Resonance Imaging. *Angewandte Chemie*, **2011**, 123, 10777-10781	3.6	13
66	Convertible organic nanoparticles for near-infrared photothermal ablation of cancer cells. *Angewandte Chemie - International Edition*, **2011**, 50, 441-4	16.4	374
65	Urchin-shaped manganese oxide nanoparticles as pH-responsive activatable T1 contrast agents for magnetic resonance imaging. *Angewandte Chemie - International Edition*, **2011**, 50, 10589-93	16.4	126
64	Ambidextrous magnetic nanovectors for synchronous gene transfection and labeling of human MSCs. *Biomaterials*, **2011**, 32, 6174-82	15.6	17
63	Gold nanostructures as photothermal therapy agent for cancer. *Anti-Cancer Agents in Medicinal Chemistry*, **2011**, 11, 953-64	2.2	46
62	Terahertz pulse imaging of fresh brain tumor **2011**,		4
61	Design and synthesis of biofunctionalized metallic/magnetic nanomaterials. *Methods in Molecular Biology*, **2011**, 751, 583-95	1.4	3
60	Imaging of Nanoparticle Delivery Using Terahertz Waves. *Fundamental Biomedical Technologies*, **2011**, 701-711		1
59	Transduction of human EPO into human bone marrow mesenchymal stromal cells synergistically enhances cell-protective and migratory effects. *Molecular Biology*, **2010**, 44, 577-584	1.2	4
58	High-sensitivity terahertz imaging technique using nanoparticle probes for medical applications **2010**,		2
57	Thiolated dextran-coated gold nanorods for photothermal ablation of inflammatory macrophages. *Langmuir*, **2010**, 26, 17520-7	4	58
56	Activatable nanomaterials at the forefront of biomedical sciences. *Journal of Materials Chemistry*, **2010**, 20, 8194		20
55	Prostate cancer cell death produced by the co-delivery of Bcl-xL shRNA and doxorubicin using an aptamer-conjugated polyplex. *Biomaterials*, **2010**, 31, 4592-9	15.6	138
54	Magnetoplex based on MnFe2O4 nanocrystals for magnetic labeling and MR imaging of human mesenchymal stem cells. *Journal of Nanoparticle Research*, **2010**, 12, 1275-1283	2.3	7
53	Synthesis of aminated polysorbate 80 for polyplex-mediated gene transfection. *Biotechnology Progress*, **2010**, 26, 1528-33	2.8	5
52	Self-assembled fluorescent magnetic nanoprobes for multimode-biomedical imaging. *Biomaterials*, **2010**, 31, 9310-9	15.6	50
51	Nanomechanical in situ monitoring of proteolysis of peptide by Cathepsin B. *PLoS ONE*, **2009**, 4, e6248	3.7	23
50	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, W149-55	5.4	10

49	Nanograting-based plasmon enhancement for total internal reflection fluorescence microscopy of live cells. *Nanotechnology*, **2009**, 20, 015202	3.4	26
48	Gold-layered calcium phosphate plasmonic resonants for localized photothermal treatment of human epithelial cancer. *Journal of Materials Chemistry*, **2009**, 19, 2902		12
47	Smart drug-loaded polymer gold nanoshells for systemic and localized therapy of human epithelial cancer. *Advanced Materials*, **2009**, 21, 4339-42	24	138
46	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 Suppl 1, 99-109	2.5	26
45	Synthesis and characterization of fluorescent magneto polymeric nanoparticles (FMPNs) for bimodal imaging probes. *Journal of Colloid and Interface Science*, **2009**, 340, 176-81	9.3	10
44	Nanoparticle-enabled terahertz imaging for cancer diagnosis. *Optics Express*, **2009**, 17, 3469-75	3.3	127
43	Synthesis of gold nanorod-embedded polymeric nanoparticles by a nanoprecipitation method for use as photothermal agents. *Nanotechnology*, **2009**, 20, 365602	3.4	29
42	Self-labeled magneto nanoprobes using tri-aminated polysorbate 80 for detection of human mesenchymal stem cells. *Journal of Materials Chemistry*, **2009**, 19, 8958		21
41	Implantation of human umbilical cord-derived mesenchymal stem cells as a neuroprotective therapy for ischemic stroke in rats. *Brain Research*, **2008**, 1229, 233-48	3.7	179
40	Nanohybrids via a polycation-based nanoemulsion method for dual-mode detection of human mesenchymal stem cells. *Journal of Materials Chemistry*, **2008**, 18, 4402		11
39	In situ detection of live cancer cells by using bioprobes based on Au nanoparticles. *Langmuir*, **2008**, 24, 12112-5	4	36
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