

Yong-Min Huh

List of Publications by Year in descending order

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218
papers

13,434
citations

44042

48
h-index

24232

110
g-index

230
all docs

230
docs citations

230
times ranked

17928
citing authors

#	ARTICLE	IF	CITATIONS
1	Artificially engineered magnetic nanoparticles for ultra-sensitive molecular imaging. <i>Nature Medicine</i> , 2007, 13, 95-99.	15.2	1,756
2	Nanoscale Size Effect of Magnetic Nanocrystals and Their Utilization for Cancer Diagnosis via Magnetic Resonance Imaging. <i>Journal of the American Chemical Society</i> , 2005, 127, 5732-5733.	6.6	1,131
3	Nanomaterials for Theranostics: Recent Advances and Future Challenges. <i>Chemical Reviews</i> , 2015, 115, 327-394.	23.0	1,063
4	In Vivo Magnetic Resonance Detection of Cancer by Using Multifunctional Magnetic Nanocrystals. <i>Journal of the American Chemical Society</i> , 2005, 127, 12387-12391.	6.6	829
5	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
6	Convertible Organic Nanoparticles for Near-Infrared Photothermal Ablation of Cancer Cells. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 441-444.	7.2	440
7	Multifunctional Magneto-Polymeric Nanohybrids for Targeted Detection and Synergistic Therapeutic Effects on Breast Cancer. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 8836-8839.	7.2	311
8	Surface Modulation of Magnetic Nanocrystals in the Development of Highly Efficient Magnetic Resonance Probes for Intracellular Labeling. <i>Journal of the American Chemical Society</i> , 2005, 127, 9992-9993.	6.6	299
9	Hollow Silica Nanocontainers as Drug Delivery Vehicles. <i>Langmuir</i> , 2008, 24, 3417-3421.	1.6	230
10	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
11	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
12	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
13	Antibody conjugated magnetic PLGA nanoparticles for diagnosis and treatment of breast cancer. <i>Journal of Materials Chemistry</i> , 2007, 17, 2695.	6.7	176
14	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
15	Nanoparticle-enabled terahertz imaging for cancer diagnosis. <i>Optics Express</i> , 2009, 17, 3469.	1.7	161
16	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
17	Smart Drug-Loaded Polymer Gold Nanoshells for Systemic and Localized Therapy of Human Epithelial Cancer. <i>Advanced Materials</i> , 2009, 21, 4339-4342.	11.1	151
18	Study of freshly excised brain tissues using terahertz imaging. <i>Biomedical Optics Express</i> , 2014, 5, 2837.	1.5	145

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19	Urchinâ€ŠShaped Manganese Oxide Nanoparticles as pHâ€ŠResponsive Activatable <i>in vivo</i> Contrast Agents for Magnetic Resonance Imaging. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 10589-10593.	7.2	141
20	Multifunctional Magnetic Gold Nanocomposites: Human Epithelial Cancer Detection via Magnetic Resonance Imaging and Localized Synchronous Therapy. <i>Advanced Functional Materials</i> , 2008, 18, 258-264.	7.8	123
21	Role of magnetic resonance imaging in entrapment and compressive neuropathyâ€”what, where, and how to see the peripheral nerves on the musculoskeletal magnetic resonance image: part 1. Overview and lower extremity. <i>European Radiology</i> , 2007, 17, 139-149.	2.3	119
22	Role of magnetic resonance imaging in entrapment and compressive neuropathyâ€”what, where, and how to see the peripheral nerves on the musculoskeletal magnetic resonance image: part 2. Upper extremity. <i>European Radiology</i> , 2007, 17, 509-522.	2.3	113
23	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
24	Hyaluronan-modified magnetic nanoclusters for detection of CD44-overexpressing breast cancer by MR imaging. <i>Biomaterials</i> , 2011, 32, 7941-7950.	5.7	104
25	Targetable Gold Nanorods for Epithelial Cancer Therapy Guided by Nearâ€ŠIR Absorption Imaging. <i>Small</i> , 2012, 8, 746-753.	5.2	98
26	Delivery of Cancer Therapeutics Using Nanotechnology. <i>Pharmaceutics</i> , 2013, 5, 294-317.	2.0	98
27	Nanobiosensors Based on Localized Surface Plasmon Resonance for Biomarker Detection. <i>Journal of Nanomaterials</i> , 2012, 2012, 1-13.	1.5	96
28	Fluorescent magnetic nanohybrids as multimodal imaging agents for human epithelial cancer detection. <i>Biomaterials</i> , 2008, 29, 2548-2555.	5.7	91
29	Molecular imaging with terahertz waves. <i>Optics Express</i> , 2011, 19, 4009.	1.7	87
30	Nanogapâ€ŠRich 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
31	Hybrid Nanoparticles for Magnetic Resonance Imaging of Targetâ€ŠSpecific Viral Gene Delivery. <i>Advanced Materials</i> , 2007, 19, 3109-3112.	11.1	83
32	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
33	Measurement depth enhancement in terahertz imaging of biological tissues. <i>Optics Express</i> , 2013, 21, 21299.	1.7	82
34	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
35	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
36	Specific Nearâ€ŠIR Absorption Imaging of Glioblastomas Using Integrinâ€ŠTargeting Gold Nanorods. <i>Advanced Functional Materials</i> , 2011, 21, 1082-1088.	7.8	71

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37	Feasibility of terahertz reflectometry for discrimination of human early gastric cancers. <i>Biomedical Optics Express</i> , 2015, 6, 1398.	1.5	69
38	Morton neuroma: evaluated with ultrasonography and MR imaging. <i>Korean Journal of Radiology</i> , 2007, 8, 148.	1.5	67
39	Thiolated Dextran-Coated Gold Nanorods for Photothermal Ablation of Inflammatory Macrophages. <i>Langmuir</i> , 2010, 26, 17520-17527.	1.6	67
40	Novel hyaluronic acid (HA) coated drug carriers (HCDCs) for human breast cancer treatment. <i>Biotechnology and Bioengineering</i> , 2008, 99, 442-454.	1.7	65
41	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
42	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
43	Single-Molecule Recognition of Biomolecular Interaction via Kelvin Probe Force Microscopy. <i>ACS Nano</i> , 2011, 5, 6981-6990.	7.3	59
44	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
45	Self-assembled fluorescent magnetic nanoprobe for multimode-biomedical imaging. <i>Biomaterials</i> , 2010, 31, 9310-9319.	5.7	52
46	Retargeting of adenoviral gene delivery via Herceptin-PEG-adenovirus conjugates to breast cancer cells. <i>Journal of Controlled Release</i> , 2007, 123, 164-171.	4.8	51
47	Gold Nanostructures as Photothermal Therapy Agent for Cancer. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2011, 11, 953-964.	0.9	51
48	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
49	Anterior-inferior labral lesions of recurrent shoulder dislocation evaluated by MR arthrography in an adduction internal rotation (ADIR) position. <i>Journal of Magnetic Resonance Imaging</i> , 2006, 23, 29-35.	1.9	48
50	Soft Tissue Impingement Syndrome of the Ankle: Diagnostic Efficacy of MRI and Clinical Results after Arthroscopic Treatment. <i>Foot and Ankle International</i> , 2004, 25, 896-902.	1.1	47
51	A Biodegradable Polymersome Containing Bcl-2 siRNA and Doxorubicin as a Dual Delivery Vehicle for a Synergistic Anticancer Effect. <i>Macromolecular Bioscience</i> , 2013, 13, 745-754.	2.1	46
52	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
53	Synthesis of gold nanorod-embedded polymeric nanoparticles by a nanoprecipitation method for use as photothermal agents. <i>Nanotechnology</i> , 2009, 20, 365602.	1.3	44
54	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

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55	Aptamer-modified magnetic nanoprobe for molecular MR imaging of VEGFR2 on angiogenic vasculature. <i>Nanoscale Research Letters</i> , 2013, 8, 399.	3.1	39
56	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
57	In Situ Detection of Live Cancer Cells by Using Bioprobes Based on Au Nanoparticles. <i>Langmuir</i> , 2008, 24, 12112-12115.	1.6	38
58	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
59	Characterization of blood using terahertz waves. <i>Journal of Biomedical Optics</i> , 2013, 18, 107008.	1.4	38
60	In vivo MR Imaging of Tissue-engineered Human Mesenchymal Stem Cells Transplanted to Mouse: a Preliminary Study. <i>Annals of Biomedical Engineering</i> , 2006, 35, 101-108.	1.3	37
61	Cancer Diagnosis by Terahertz Molecular Imaging Technique. <i>Journal of Infrared, Millimeter, and Terahertz Waves</i> , 2012, 33, 74-81.	1.2	37
62	Synovitis and soft tissue impingement of the ankle: Assessment with enhanced three-dimensional FSPGR MR imaging. <i>Journal of Magnetic Resonance Imaging</i> , 2004, 19, 108-116.	1.9	36
63	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
64	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
65	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
66	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
67	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
68	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
69	Nanograting-based plasmon enhancement for total internal reflection fluorescence microscopy of live cells. <i>Nanotechnology</i> , 2009, 20, 015202.	1.3	34
70	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
71	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
72	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

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73	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
74	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
75	Terahertz spectroscopic imaging and properties of gastrointestinal tract in a rat model. <i>Biomedical Optics Express</i> , 2014, 5, 4162.	1.5	32
76	In vivo magnetic resonance imaging of injected mesenchymal stem cells in rat myocardial infarction; simultaneous cell tracking and left ventricular function measurement. <i>International Journal of Cardiovascular Imaging</i> , 2009, 25, 99-109.	0.7	31
77	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
78	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
79	Aptamer-conjugated magnetic nanoparticles enable efficient targeted detection of integrin $\alpha_5\beta_1$ via magnetic resonance imaging. <i>Journal of Biomedical Materials Research - Part A</i> , 2014, 102, 49-59.	2.1	31
80	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
81	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
82	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
83	Measuring water contents in animal organ tissues using terahertz spectroscopic imaging. <i>Biomedical Optics Express</i> , 2018, 9, 1582.	1.5	30
84	Role of surface charge in cytotoxicity of charged manganese ferrite nanoparticles towards macrophages. <i>Nanotechnology</i> , 2012, 23, 505702.	1.3	29
85	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
86	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
87	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
88	One-step electrochemical fabrication of vertically self-organized silver nanograss. <i>Journal of Materials Chemistry A</i> , 2013, 1, 4851.	5.2	27
89	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
90	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

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91	Nanomechanical In Situ Monitoring of Proteolysis of Peptide by Cathepsin B. PLoS ONE, 2009, 4, e6248.	1.1	26
92	Existence of glioma stroma mesenchymal stemlike cells in Korean glioma specimens. Child's Nervous System, 2013, 29, 549-563.	0.6	26
93	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.	6.7	25
94	Presence of glioma stroma mesenchymal stem cells in a murine orthotopic glioma model. Child's Nervous System, 2011, 27, 911-922.	0.6	24
95	Smart nanoprobe for ultrasensitive detection of breast cancer via magnetic resonance imaging. Nanotechnology, 2008, 19, 485101.	1.3	22
96	Aptamer-conjugated gold nanorod for photothermal ablation of epidermal growth factor receptor-overexpressed epithelial cancer. Journal of Biomedical Optics, 2013, 19, 051203.	1.4	22
97	Terahertz otoscope and potential for diagnosing otitis media. Biomedical Optics Express, 2016, 7, 1201.	1.5	22
98	Contrast-enhanced ultrasound liver imaging reporting and data system for diagnosing hepatocellular carcinoma: A meta-analysis. Liver International, 2020, 40, 2345-2352.	1.9	22
99	Enhancement of magnetic resonance contrast effect using ionic magnetic clusters. Journal of Colloid and Interface Science, 2008, 319, 429-434.	5.0	21
100	Synthesis of water soluble PEGylated magnetic complexes using mPEG-fatty acid for biomedical applications. Colloids and Surfaces B: Biointerfaces, 2008, 64, 111-117.	2.5	21
101	Magnetic sensitivity enhanced novel fluorescent magnetic silica nanoparticles for biomedical applications. Nanotechnology, 2008, 19, 075610.	1.3	21
102	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
103	Activatable nanomaterials at the forefront of biomedical sciences. Journal of Materials Chemistry, 2010, 20, 8194.	6.7	21
104	CD44-specific supramolecular hydrogels for fluorescence molecular imaging of stem-like gastric cancer cells. Integrative Biology (United Kingdom), 2013, 5, 669.	0.6	21
105	Isolation of mesenchymal stem-like cells in meningioma specimens. International Journal of Oncology, 2013, 43, 1260-1268.	1.4	21
106	Simultaneous dual-targeted monitoring of breast cancer circulating miRNA via surface-enhanced Raman spectroscopy. Biosensors and Bioelectronics, 2022, 207, 114143.	5.3	21
107	Highly selective CD44-specific gold nanorods for photothermal ablation of tumorigenic subpopulations generated in MCF7 mammospheres. Nanotechnology, 2012, 23, 465101.	1.3	20
108	A reverse complementary multimodal imaging system to visualize microRNA9-involved neurogenesis using peptide targeting transferrin receptor-conjugated magnetic fluorescence nanoparticles. Biomaterials, 2012, 33, 6456-6467.	5.7	20

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109	Redox-sensitive colorimetric polyaniline nanoprobe synthesized by a solvent-shift process. <i>Nano Research</i> , 2013, 6, 356-364.	5.8	20
110	Self-Assembled Conjugated Polymeric Nanoassembly by Simplified Process for Optical Cancer Theragnosis. <i>Advanced Functional Materials</i> , 2015, 25, 2260-2269.	7.8	20
111	Tumor Mesenchymal Stem-Like Cell as a Prognostic Marker in Primary Glioblastoma. <i>Stem Cells International</i> , 2016, 2016, 1-7.	1.2	20
112	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
113	Hydrogels as Nanocarriers for CD44-targeted and pH-boosted aromatic drug delivery. <i>Journal of Materials Chemistry B</i> , 2013, 1, 5686.	2.9	19
114	Intracellular translocation of superparamagnetic iron oxide nanoparticles encapsulated with peptide-conjugated poly(D,L-lactide-co-glycolide). <i>Journal of Applied Physics</i> , 2005, 97, 10Q913.	1.1	18
115	Ambidextrous magnetic nanovectors for synchronous gene transfection and labeling of human MSCs. <i>Biomaterials</i> , 2011, 32, 6174-6182.	5.7	18
116	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
117	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
118	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
119	The Role of Popliteal Lymph Nodes in Differentiating Rheumatoid Arthritis from Osteoarthritis by Using CE 3D-FSPCR MR Imaging: Relationship of the Inflamed Synovial Volume. <i>Korean Journal of Radiology</i> , 2005, 6, 117.	1.5	16
120	Galactosylated manganese ferrite nanoparticles for targeted MR imaging of asialoglycoprotein receptor. <i>Nanotechnology</i> , 2013, 24, 475103.	1.3	16
121	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
122	Receptor tyrosine kinase amplified gastric cancer: Clinicopathologic characteristics and proposed screening algorithm. <i>Oncotarget</i> , 2016, 7, 72099-72112.	0.8	16
123	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
124	Thin-film-based sensitivity enhancement for total internal reflection fluorescence live-cell imaging. <i>Optics Letters</i> , 2007, 32, 3062.	1.7	15
125	Enhancement of cellular binding efficiency and cytotoxicity using polyethylene glycol base triblock copolymeric nanoparticles for targeted drug delivery. <i>Journal of Biomedical Materials Research - Part A</i> , 2008, 84A, 273-280.	2.1	15
126	Gold Nanorod-Mediated Photothermal Modulation for Localized Ablation of Cancer Cells. <i>Journal of Nanomaterials</i> , 2012, 2012, 1-7.	1.5	15

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127	Effect of Ligand Structure on MnO Nanoparticles for Enhanced T_1 Magnetic Resonance Imaging of Inflammatory Macrophages. <i>European Journal of Inorganic Chemistry</i> , 2012, 2012, 5960-5965.	1.0	15
128	Molecular recognition of proteolytic activity in metastatic cancer cells using fluorogenic gold nanoprobe. <i>Biosensors and Bioelectronics</i> , 2014, 57, 171-178.	5.3	15
129	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
130	Gold-layered calcium phosphate plasmonic resonants for localized photothermal treatment of human epithelial cancer. <i>Journal of Materials Chemistry</i> , 2009, 19, 2902.	6.7	14
131	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
132	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
133	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
134	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
135	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
136	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
137	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
138	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
139	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
140	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
141	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
142	The Usefulness of Virtual MR Arthroscopy as an Adjunct to Conventional MR Arthrography in Detecting Anterior Labral Lesions of the Shoulder. <i>American Journal of Roentgenology</i> , 2009, 192, W149-W155.	1.0	12
143	\hat{P} -PIX Is Critical for Transplanted Mesenchymal Stromal Cell Migration. <i>Stem Cells and Development</i> , 2012, 21, 1989-1999.	1.1	12
144	Gadolinium-based nanoparticles for highly efficient T1-weighted magnetic resonance imaging. <i>Nanotechnology</i> , 2014, 25, 245103.	1.3	12

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145	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
146	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
147	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
148	Motions of magnetic nanosphere under the magnetic field in the rectangular microchannel. <i>Journal of Magnetism and Magnetic Materials</i> , 2007, 317, 34-40.	1.0	11
149	Double-ligand modulation for engineering magnetic nanoclusters. <i>Nanoscale Research Letters</i> , 2013, 8, 104.	3.1	11
150	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
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