

Seung Hong Choi

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

187
papers

11,147
citations

43
h-index

103
g-index

191
ext. papers

12,744
ext. citations

7.9
avg, IF

6.04
L-index

| # | Paper | IF | Citations |
|-----|--|------|-----------|
| 187 | A graphene-based electrochemical device with thermoresponsive microneedles for diabetes monitoring and therapy. <i>Nature Nanotechnology</i> , 2016 , 11, 566-572 | 28.7 | 1093 |
| 186 | Stretchable silicon nanoribbon electronics for skin prosthesis. <i>Nature Communications</i> , 2014 , 5, 5747 | 17.4 | 902 |
| 185 | Large-scale synthesis of uniform and extremely small-sized iron oxide nanoparticles for high-resolution T1 magnetic resonance imaging contrast agents. <i>Journal of the American Chemical Society</i> , 2011 , 133, 12624-31 | 16.4 | 691 |
| 184 | Uniform mesoporous dye-doped silica nanoparticles decorated with multiple magnetite nanocrystals for simultaneous enhanced magnetic resonance imaging, fluorescence imaging, and drug delivery. <i>Journal of the American Chemical Society</i> , 2010 , 132, 552-7 | 16.4 | 645 |
| 183 | Wearable/disposable sweat-based glucose monitoring device with multistage transdermal drug delivery module. <i>Science Advances</i> , 2017 , 3, e1601314 | 14.3 | 596 |
| 182 | Nonblinking and Nonbleaching Upconverting Nanoparticles as an Optical Imaging Nanoprobe and T1 Magnetic Resonance Imaging Contrast Agent. <i>Advanced Materials</i> , 2009 , 21, 4467-4471 | 24 | 501 |
| 181 | Continuous O-Evolving MnFeO Nanoparticle-Anchored Mesoporous Silica Nanoparticles for Efficient Photodynamic Therapy in Hypoxic Cancer. <i>Journal of the American Chemical Society</i> , 2017 , 139, 10992-10995 | 16.4 | 486 |
| 180 | Nano-sized CT contrast agents. <i>Advanced Materials</i> , 2013 , 25, 2641-60 | 24 | 411 |
| 179 | Theranostic probe based on lanthanide-doped nanoparticles for simultaneous in vivo dual-modal imaging and photodynamic therapy. <i>Advanced Materials</i> , 2012 , 24, 5755-61 | 24 | 334 |
| 178 | Large-scale synthesis of bioinert tantalum oxide nanoparticles for X-ray computed tomography imaging and bimodal image-guided sentinel lymph node mapping. <i>Journal of the American Chemical Society</i> , 2011 , 133, 5508-15 | 16.4 | 270 |
| 177 | Gliomas: Histogram analysis of apparent diffusion coefficient maps with standard- or high-b-value diffusion-weighted MR imaging--correlation with tumor grade. <i>Radiology</i> , 2011 , 261, 882-90 | 20.5 | 248 |
| 176 | Water-dispersible ferrimagnetic iron oxide nanocubes with extremely high r ₁ relaxivity for highly sensitive in vivo MRI of tumors. <i>Nano Letters</i> , 2012 , 12, 3127-31 | 11.5 | 238 |
| 175 | Multifunctional Fe ₃ O ₄ /TaO(x) core/shell nanoparticles for simultaneous magnetic resonance imaging and X-ray computed tomography. <i>Journal of the American Chemical Society</i> , 2012 , 134, 10309-12 | 16.4 | 193 |
| 174 | Magnetosome-like ferrimagnetic iron oxide nanocubes for highly sensitive MRI of single cells and transplanted pancreatic islets. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 2662-7 | 11.5 | 166 |
| 173 | Bioresorbable Electronic Stent Integrated with Therapeutic Nanoparticles for Endovascular Diseases. <i>ACS Nano</i> , 2015 , 9, 5937-46 | 16.7 | 158 |
| 172 | Electromechanical cardioplasty using a wrapped elasto-conductive epicardial mesh. <i>Science Translational Medicine</i> , 2016 , 8, 344ra86 | 17.5 | 136 |
| 171 | Glioma: application of whole-tumor texture analysis of diffusion-weighted imaging for the evaluation of tumor heterogeneity. <i>PLoS ONE</i> , 2014 , 9, e108335 | 3.7 | 132 |

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| 170 | Differentiation of true progression from pseudoprogression in glioblastoma treated with radiation therapy and concomitant temozolomide: comparison study of standard and high-b-value diffusion-weighted imaging. <i>Radiology</i> , 2013 , 269, 831-40 | 20.5 | 124 |
| 169 | An endoscope with integrated transparent bioelectronics and theranostic nanoparticles for colon cancer treatment. <i>Nature Communications</i> , 2015 , 6, 10059 | 17.4 | 122 |
| 168 | Iron oxide nanoclusters for T magnetic resonance imaging of non-human primates. <i>Nature Biomedical Engineering</i> , 2017 , 1, 637-643 | 19 | 117 |
| 167 | Multiple-interaction ligands inspired by mussel adhesive protein: synthesis of highly stable and biocompatible nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 11360-5 | 16.4 | 108 |
| 166 | Stretchable and Transparent Biointerface Using Cell-Sheet/Graphene Hybrid for Electrophysiology and Therapy of Skeletal Muscle. <i>Advanced Functional Materials</i> , 2016 , 26, 3207-3217 | 15.6 | 103 |
| 165 | Differentiating malignant from benign common bile duct stricture with multiphasic helical CT. <i>Radiology</i> , 2005 , 236, 178-83 | 20.5 | 92 |
| 164 | Flexible, sticky, and biodegradable wireless device for drug delivery to brain tumors. <i>Nature Communications</i> , 2019 , 10, 5205 | 17.4 | 91 |
| 163 | Glioblastoma treated with concurrent radiation therapy and temozolomide chemotherapy: differentiation of true progression from pseudoprogression with quantitative dynamic contrast-enhanced MR imaging. <i>Radiology</i> , 2015 , 274, 830-40 | 20.5 | 83 |
| 162 | Large-Scale Synthesis of Ultrathin Manganese Oxide Nanoplates and Their Applications to T1 MRI Contrast Agents. <i>Chemistry of Materials</i> , 2011 , 23, 3318-3324 | 9.6 | 83 |
| 161 | Diffusion-weighted MR imaging for the differentiation of true progression from pseudoprogression following concomitant radiotherapy with temozolomide in patients with newly diagnosed high-grade gliomas. <i>Academic Radiology</i> , 2012 , 19, 1353-61 | 4.3 | 79 |
| 160 | Hepatocellular carcinoma in liver transplantation candidates: detection with gadobenate dimeglumine-enhanced MRI. <i>American Journal of Roentgenology</i> , 2008 , 191, 529-36 | 5.4 | 78 |
| 159 | Evaluation of the microenvironmental heterogeneity in high-grade gliomas with IDH1/2 gene mutation using histogram analysis of diffusion-weighted imaging and dynamic-susceptibility contrast perfusion imaging. <i>Journal of Neuro-Oncology</i> , 2015 , 121, 141-50 | 4.8 | 75 |
| 158 | Incorporating diffusion- and perfusion-weighted MRI into a radiomics model improves diagnostic performance for pseudoprogression in glioblastoma patients. <i>Neuro-Oncology</i> , 2019 , 21, 404-414 | 1 | 73 |
| 157 | Preoperative magnetic resonance imaging staging of uterine cervical carcinoma: results of prospective study. <i>Journal of Computer Assisted Tomography</i> , 2004 , 28, 620-7 | 2.2 | 71 |
| 156 | Multifunctional mesoporous silica nanocomposite nanoparticles for pH controlled drug release and dual modal imaging. <i>Journal of Materials Chemistry</i> , 2011 , 21, 16869 | | 69 |
| 155 | True progression versus pseudoprogression in the treatment of glioblastomas: a comparison study of normalized cerebral blood volume and apparent diffusion coefficient by histogram analysis. <i>Korean Journal of Radiology</i> , 2013 , 14, 662-72 | 6.9 | 68 |
| 154 | Synthesis of Uniformly Sized Manganese Oxide Nanocrystals with Various Sizes and Shapes and Characterization of Their T1 Magnetic Resonance Relaxivity. <i>European Journal of Inorganic Chemistry</i> , 2012 , 2012, 2148-2155 | 2.3 | 62 |
| 153 | Multifunctional cell-culture platform for aligned cell sheet monitoring, transfer printing, and therapy. <i>ACS Nano</i> , 2015 , 9, 2677-88 | 16.7 | 58 |

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| 152 | In vivo imaging of tumor transduced with bimodal lentiviral vector encoding human ferritin and green fluorescent protein on a 1.5T clinical magnetic resonance scanner. <i>Cancer Research</i> , 2010 , 70, 7315-24 | 10.1 | 56 |
| 151 | Tissue-like skin-device interface for wearable bioelectronics by using ultrasoft, mass-permeable, and low-impedance hydrogels. <i>Science Advances</i> , 2021 , 7, | 14.3 | 56 |
| 150 | The role of perfusion CT as a follow-up modality after transcatheter arterial chemoembolization: an experimental study in a rabbit model. <i>Investigative Radiology</i> , 2010 , 45, 427-36 | 10.1 | 51 |
| 149 | A practical scoring system to determine whether to proceed with surgical resection in recurrent glioblastoma. <i>Neuro-Oncology</i> , 2013 , 15, 1096-101 | 1 | 48 |
| 148 | Histogram analysis of apparent diffusion coefficient map of standard and high B-value diffusion MR imaging in head and neck squamous cell carcinoma: a correlation study with histological grade. <i>Academic Radiology</i> , 2012 , 19, 1233-40 | 4.3 | 48 |
| 147 | Usefulness of MS-MLPA for detection of MGMT promoter methylation in the evaluation of pseudoprogression in glioblastoma patients. <i>Neuro-Oncology</i> , 2011 , 13, 195-202 | 1 | 47 |
| 146 | Grading of cerebral glioma with multiparametric MR imaging and 18F-FDG-PET: concordance and accuracy. <i>European Radiology</i> , 2014 , 24, 380-9 | 8 | 46 |
| 145 | Correlation of 18F-FDG uptake with apparent diffusion coefficient ratio measured on standard and high b value diffusion MRI in head and neck cancer. <i>Journal of Nuclear Medicine</i> , 2011 , 52, 1056-62 | 8.9 | 46 |
| 144 | Transformation of hydrophobic iron oxide nanoparticles to hydrophilic and biocompatible maghemite nanocrystals for use as highly efficient MRI contrast agent. <i>Journal of Materials Chemistry</i> , 2011 , 21, 11472 | | 42 |
| 143 | CT Differentiation of cholangiocarcinoma from periductal fibrosis in patients with hepatolithiasis. <i>American Journal of Roentgenology</i> , 2006 , 187, 445-53 | 5.4 | 39 |
| 142 | Bright vessel appearance on arterial spin labeling MRI for localizing arterial occlusion in acute ischemic stroke. <i>Stroke</i> , 2015 , 46, 564-7 | 6.7 | 37 |
| 141 | Prediction of IDH genotype in gliomas with dynamic susceptibility contrast perfusion MR imaging using an explainable recurrent neural network. <i>Neuro-Oncology</i> , 2019 , 21, 1197-1209 | 1 | 36 |
| 140 | Cerebral blood volume analysis in glioblastomas using dynamic susceptibility contrast-enhanced perfusion MRI: a comparison of manual and semiautomatic segmentation methods. <i>PLoS ONE</i> , 2013 , 8, e69323 | 3.7 | 36 |
| 139 | Soft implantable drug delivery device integrated wirelessly with wearable devices to treat fatal seizures. <i>Science Advances</i> , 2021 , 7, | 14.3 | 36 |
| 138 | Tumor blood flow from arterial spin labeling perfusion MRI: a key parameter in distinguishing high-grade gliomas from primary cerebral lymphomas, and in predicting genetic biomarkers in high-grade gliomas. <i>Journal of Magnetic Resonance Imaging</i> , 2013 , 38, 852-60 | 5.6 | 34 |
| 137 | The Changes in MGMT Promoter Methylation Status in Initial and Recurrent Glioblastomas. <i>Translational Oncology</i> , 2012 , 5, 393-7 | 4.9 | 34 |
| 136 | Correlation of apparent diffusion coefficient values measured by diffusion MRI and MGMT promoter methylation semiquantitatively analyzed with MS-MLPA in patients with glioblastoma multiforme. <i>Journal of Magnetic Resonance Imaging</i> , 2013 , 37, 351-8 | 5.6 | 33 |
| 135 | An NMR metabolomics approach for the diagnosis of leptomeningeal carcinomatosis in lung adenocarcinoma cancer patients. <i>International Journal of Cancer</i> , 2015 , 136, 162-71 | 7.5 | 32 |

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| 134 | Hydrotropic magnetic micelles for combined magnetic resonance imaging and cancer therapy. <i>Journal of Controlled Release</i> , 2012 , 160, 692-8 | 11.7 | 32 |
| 133 | Body fat assessment method using CT images with separation mask algorithm. <i>Journal of Digital Imaging</i> , 2013 , 26, 155-62 | 5.3 | 32 |
| 132 | Central neurocytoma: long-term outcomes of multimodal treatments and management strategies based on 30 years experience in a single institute. <i>Neurosurgery</i> , 2013 , 72, 407-13; discussion 413-4 | 3.2 | 32 |
| 131 | Gliomas: application of cumulative histogram analysis of normalized cerebral blood volume on 3 T MRI to tumor grading. <i>PLoS ONE</i> , 2013 , 8, e63462 | 3.7 | 32 |
| 130 | The efficacy of magnetic resonance imaging for the diagnosis of testicular rupture: a prospective preliminary study. <i>Journal of Trauma</i> , 2009 , 66, 239-42 | | 32 |
| 129 | Lymph node metastasis: ultrasmall superparamagnetic iron oxide-enhanced MR imaging versus PET/CT in a rabbit model. <i>Radiology</i> , 2007 , 242, 137-43 | 20.5 | 32 |
| 128 | Internal mammary arteries supplying hepatocellular carcinoma: vascular anatomy at digital subtraction angiography in 97 patients. <i>Radiology</i> , 2007 , 242, 925-32 | 20.5 | 30 |
| 127 | CT features of an intraductal polypoid mass: Differentiation between hepatocellular carcinoma with bile duct tumor invasion and intraductal papillary cholangiocarcinoma. <i>Journal of Computer Assisted Tomography</i> , 2006 , 30, 173-81 | 2.2 | 30 |
| 126 | Clinicopathological and genetic characteristics of extraventricular neurocytomas. <i>Neuropathology</i> , 2013 , 33, 111-21 | 2 | 27 |
| 125 | Hepatocellular carcinoma with internal mammary artery supply: feasibility and efficacy of transarterial chemoembolization and factors affecting patient prognosis. <i>Journal of Vascular and Interventional Radiology</i> , 2007 , 18, 611-9; quiz 620 | 2.4 | 27 |
| 124 | Imaging and quantification of metastatic melanoma cells in lymph nodes with a ferritin MR reporter in living mice. <i>NMR in Biomedicine</i> , 2012 , 25, 737-45 | 4.4 | 26 |
| 123 | Desmoid-type fibromatosis in the head and neck: CT and MR imaging characteristics. <i>Neuroradiology</i> , 2013 , 55, 351-9 | 3.2 | 26 |
| 122 | Bipolar radiofrequency ablation in ex vivo bovine liver with the open-perfused system versus the cooled-wet system. <i>European Radiology</i> , 2005 , 15, 759-64 | 8 | 26 |
| 121 | Bandgap engineered reverse type-I CdTe/InP/ZnS core-shell nanocrystals for the near-infrared. <i>Chemical Communications</i> , 2009 , 1267-9 | 5.8 | 25 |
| 120 | Enhancement characteristics of cholangiocarcinomas on multiphase helical CT: emphasis on morphologic subtypes. <i>Clinical Imaging</i> , 2008 , 32, 114-20 | 2.7 | 25 |
| 119 | Cervical lymph node metastases: MR imaging of gadofluorine M and monocrySTALLINE iron oxide nanoparticle-47 in a rabbit model of head and neck cancer. <i>Radiology</i> , 2006 , 241, 753-62 | 20.5 | 25 |
| 118 | Advances in drug delivery technology for the treatment of glioblastoma multiforme. <i>Journal of Controlled Release</i> , 2020 , 328, 350-367 | 11.7 | 25 |
| 117 | Increased Antiangiogenic Effect by Blocking CCL2-dependent Macrophages in a Rodent Glioblastoma Model: Correlation Study with Dynamic Susceptibility Contrast Perfusion MRI. <i>Scientific Reports</i> , 2019 , 9, 11085 | 4.9 | 24 |

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| 116 | Glioma grading using apparent diffusion coefficient map: application of histogram analysis based on automatic segmentation. <i>NMR in Biomedicine</i> , 2014 , 27, 1046-52 | 4.4 | 24 |
| 115 | Hepatic radiofrequency ablation using multiple probes: ex vivo and in vivo comparative studies of monopolar versus multipolar modes. <i>Korean Journal of Radiology</i> , 2006 , 7, 106-17 | 6.9 | 24 |
| 114 | Imaging of gastrointestinal stromal tumors. <i>Journal of Computer Assisted Tomography</i> , 2004 , 28, 596-604 | 4.2 | 24 |
| 113 | T1 Shortening in the Globus Pallidus after Multiple Administrations of Gadobutrol: Assessment with a Multidynamic Multiecho Sequence. <i>Radiology</i> , 2018 , 287, 258-266 | 20.5 | 24 |
| 112 | Dynamic contrast-enhanced MR imaging in predicting progression of enhancing lesions persisting after standard treatment in glioblastoma patients: a prospective study. <i>European Radiology</i> , 2017 , 27, 3156-3166 | 8 | 23 |
| 111 | Differentiation of Parkinsonism-Predominant Multiple System Atrophy from Idiopathic Parkinson Disease Using 3T Susceptibility-Weighted MR Imaging, Focusing on Putaminal Change and Lesion Asymmetry. <i>American Journal of Neuroradiology</i> , 2015 , 36, 2227-34 | 4.4 | 23 |
| 110 | Effect of delayed transit time on arterial spin labeling: correlation with dynamic susceptibility contrast perfusion magnetic resonance in moyamoya disease. <i>Investigative Radiology</i> , 2013 , 48, 795-802 | 10.1 | 23 |
| 109 | Radiosurgery for central neurocytoma: long-term outcome and failure pattern. <i>Journal of Neuro-Oncology</i> , 2013 , 115, 505-11 | 4.8 | 22 |
| 108 | Radiomics prognostication model in glioblastoma using diffusion- and perfusion-weighted MRI. <i>Scientific Reports</i> , 2020 , 10, 4250 | 4.9 | 21 |
| 107 | Segmentation-based MR attenuation correction including bones also affects quantitation in brain studies: an initial result of 18F-FP-CIT PET/MR for patients with parkinsonism. <i>Journal of Nuclear Medicine</i> , 2014 , 55, 1617-22 | 8.9 | 21 |
| 106 | Prognosis prediction of non-enhancing T2 high signal intensity lesions in glioblastoma patients after standard treatment: application of dynamic contrast-enhanced MR imaging. <i>European Radiology</i> , 2017 , 27, 1176-1185 | 8 | 20 |
| 105 | Physiological and Functional Magnetic Resonance Imaging Using Balanced Steady-state Free Precession. <i>Korean Journal of Radiology</i> , 2015 , 16, 550-9 | 6.9 | 20 |
| 104 | Postbiopsy splenic bleeding in a dog model: comparison of cauterization, embolization, and plugging of the needle tract. <i>American Journal of Roentgenology</i> , 2005 , 185, 878-84 | 5.4 | 20 |
| 103 | MRI molecular imaging using GLUT1 antibody-Fe ₃ O ₄ nanoparticles in the hemangioma animal model for differentiating infantile hemangioma from vascular malformation. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2015 , 11, 127-35 | 6 | 19 |
| 102 | Seizures during the management of high-grade gliomas: clinical relevance to disease progression. <i>Journal of Neuro-Oncology</i> , 2013 , 113, 101-9 | 4.8 | 19 |
| 101 | Effect of carotid artery stenting on cerebral blood flow: evaluation of hemodynamic changes using arterial spin labeling. <i>Neuroradiology</i> , 2013 , 55, 271-81 | 3.2 | 19 |
| 100 | MR imaging findings of extraventricular neurocytoma: a series of ten patients confirmed by immunohistochemistry of IDH1 gene mutation. <i>Acta Neurochirurgica</i> , 2012 , 154, 1973-79; discussion 1980 | 7 | 19 |
| 99 | Contrast-enhanced MR imaging of lymph nodes in cancer patients. <i>Korean Journal of Radiology</i> , 2010 , 11, 383-94 | 6.9 | 19 |

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| 98 | The value of temozolomide in combination with radiotherapy during standard treatment for newly diagnosed glioblastoma. <i>Journal of Neuro-Oncology</i> , 2013 , 112, 277-83 | 4.8 | 18 |
| 97 | Enhanced Chemodynamic Therapy by Cu-Fe Peroxide Nanoparticles: Tumor Microenvironment-Mediated Synergistic Fenton Reaction.. <i>ACS Nano</i> , 2022 , | 16.7 | 18 |
| 96 | Comparison between the Prebolus T1 Measurement and the Fixed T1 Value in Dynamic Contrast-Enhanced MR Imaging for the Differentiation of True Progression from Pseudoprogression in Glioblastoma Treated with Concurrent Radiation Therapy and Temozolomide Chemotherapy. <i>American Journal of Neuroradiology</i> , 2017 , 38, 2243-2250 | 4.4 | 17 |
| 95 | Quantitative dynamic contrast-enhanced MR imaging shows widespread blood-brain barrier disruption in mild traumatic brain injury patients with post-concussion syndrome. <i>European Radiology</i> , 2019 , 29, 1308-1317 | 8 | 17 |
| 94 | Endobronchial metastasis from renal cell carcinoma: CT findings in four patients. <i>European Journal of Radiology</i> , 2004 , 51, 155-9 | 4.7 | 17 |
| 93 | IDH2 mutation in gliomas including novel mutation. <i>Neuropathology</i> , 2015 , 35, 236-44 | 2 | 16 |
| 92 | Noninvasive identification of viable cell populations in docetaxel-treated breast tumors using ferritin-based magnetic resonance imaging. <i>PLoS ONE</i> , 2013 , 8, e52931 | 3.7 | 16 |
| 91 | Altered Vascular Permeability in Migraine-associated Brain Regions: Evaluation with Dynamic Contrast-enhanced MRI. <i>Radiology</i> , 2019 , 292, 713-720 | 20.5 | 15 |
| 90 | Early experience of pre- and post-contrast 7.0T MRI in brain tumors. <i>Journal of Korean Medical Science</i> , 2013 , 28, 1362-72 | 4.7 | 15 |
| 89 | Advances in Soft Bioelectronics for Brain Research and Clinical Neuroengineering. <i>Matter</i> , 2020 , 3, 1923-1947 | 12.7 | 15 |
| 88 | Localized Delivery of Theranostic Nanoparticles and High-Energy Photons using Microneedles-on-Bioelectronics. <i>Advanced Materials</i> , 2021 , 33, e2100425 | 24 | 15 |
| 87 | Radiogenomics Profiling for Glioblastoma-related Immune Cells Reveals CD49d Expression Correlation with MRI parameters and Prognosis. <i>Scientific Reports</i> , 2018 , 8, 16022 | 4.9 | 15 |
| 86 | In vivo magnetic resonance imaging of transgenic mice expressing human ferritin. <i>Molecular Imaging and Biology</i> , 2013 , 15, 48-57 | 3.8 | 14 |
| 85 | Prediction of Response to Concurrent Chemoradiotherapy with Temozolomide in Glioblastoma: Application of Immediate Post-Operative Dynamic Susceptibility Contrast and Diffusion-Weighted MR Imaging. <i>Korean Journal of Radiology</i> , 2015 , 16, 1341-8 | 6.9 | 14 |
| 84 | An NMR metabolomics approach for the diagnosis of leptomeningeal carcinomatosis. <i>Cancer Research</i> , 2012 , 72, 5179-87 | 10.1 | 14 |
| 83 | Application of 3D Fast Spin-Echo T1 Black-Blood Imaging in the Diagnosis and Prognostic Prediction of Patients with Leptomeningeal Carcinomatosis. <i>American Journal of Neuroradiology</i> , 2018 , 39, 1453-1459 | 4.4 | 13 |
| 82 | Early response evaluation for recurrent high grade gliomas treated with bevacizumab: a volumetric analysis using diffusion-weighted imaging. <i>Journal of Neuro-Oncology</i> , 2013 , 112, 427-35 | 4.8 | 13 |
| 81 | BCAT1 is a New MR Imaging-related Biomarker for Prognosis Prediction in IDH1-wildtype Glioblastoma Patients. <i>Scientific Reports</i> , 2017 , 7, 17740 | 4.9 | 13 |

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|----|---|------|----|
| 80 | Metabolomic comparison between cells over-expressing isocitrate dehydrogenase 1 and 2 mutants and the effects of an inhibitor on the metabolism. <i>Journal of Neurochemistry</i> , 2015 , 132, 183-93 | 6 | 13 |
| 79 | Contrast-enhanced FLAIR (fluid-attenuated inversion recovery) for evaluating mild traumatic brain injury. <i>PLoS ONE</i> , 2014 , 9, e102229 | 3.7 | 13 |
| 78 | Hyperfunction thyroid nodules: their risk for becoming or being associated with thyroid cancers. <i>Korean Journal of Radiology</i> , 2013 , 14, 643-52 | 6.9 | 13 |
| 77 | Recent Application of Advanced MR Imaging to Predict Pseudoprogression in High-grade Glioma Patients. <i>Magnetic Resonance in Medical Sciences</i> , 2016 , 15, 165-77 | 2.9 | 13 |
| 76 | Squamous Cell Carcinoma of the Head and Neck: Comparison of Diffusion-weighted MRI at b-values of 1,000 and 2,000 s/mm ² to Predict Response to Induction Chemotherapy. <i>Magnetic Resonance in Medical Sciences</i> , 2015 , 14, 337-45 | 2.9 | 12 |
| 75 | Prognosis prediction of measurable enhancing lesion after completion of standard concomitant chemoradiotherapy and adjuvant temozolomide in glioblastoma patients: application of dynamic susceptibility contrast perfusion and diffusion-weighted imaging. <i>PLoS ONE</i> , 2014 , 9, e113587 | 3.7 | 12 |
| 74 | Malignant glioma: MR imaging by using 5-aminolevulinic acid in an animal model. <i>Radiology</i> , 2014 , 272, 720-30 | 20.5 | 12 |
| 73 | Correlation of 11C-methionine PET and diffusion-weighted MRI: is there a complementary diagnostic role for gliomas?. <i>Nuclear Medicine Communications</i> , 2014 , 35, 720-6 | 1.6 | 12 |
| 72 | Comparison between transauricular and transfemoral arterial access for hepatic artery angiography in a rabbit model. <i>Journal of Vascular and Interventional Radiology</i> , 2011 , 22, 1181-7 | 2.4 | 12 |
| 71 | Serial MR analysis of early permanent and transient ischemia in rats: diffusion tensor imaging and high b value diffusion weighted imaging. <i>Korean Journal of Radiology</i> , 2013 , 14, 307-15 | 6.9 | 11 |
| 70 | Assessment of lymph node metastases by contrast-enhanced MR imaging in a head and neck cancer model. <i>Korean Journal of Radiology</i> , 2007 , 8, 9-14 | 6.9 | 11 |
| 69 | Combined use of susceptibility weighted magnetic resonance imaging sequences and dynamic susceptibility contrast perfusion weighted imaging to improve the accuracy of the differential diagnosis of recurrence and radionecrosis in high-grade glioma patients. <i>Oncotarget</i> , 2017 , 8, 20340-20353 | 3.3 | 11 |
| 68 | Differentiation of High-Grade from Low-Grade Astrocytoma: Improvement in Diagnostic Accuracy and Reliability of Pharmacokinetic Parameters from DCE MR Imaging by Using Arterial Input Functions Obtained from DSC MR Imaging. <i>Radiology</i> , 2018 , 286, 981-991 | 20.5 | 11 |
| 67 | Diagnostic Accuracy and Confidence of [18F] FDG PET/MRI in comparison with PET or MRI alone in Head and Neck Cancer. <i>Scientific Reports</i> , 2020 , 10, 9490 | 4.9 | 10 |
| 66 | Inter-Slice Blood Flow and Magnetization Transfer Effects as A New Simultaneous Imaging Strategy. <i>PLoS ONE</i> , 2015 , 10, e0140560 | 3.7 | 10 |
| 65 | Macrophages homing to metastatic lymph nodes can be monitored with ultrasensitive ferromagnetic iron-oxide nanocubes and a 1.5T clinical MR scanner. <i>PLoS ONE</i> , 2012 , 7, e29575 | 3.7 | 10 |
| 64 | Investigation of inter-slice magnetization transfer effects as a new method for MTR imaging of the human brain. <i>PLoS ONE</i> , 2015 , 10, e0117101 | 3.7 | 9 |
| 63 | Radiological and clinical characteristics of a military outbreak of pandemic H1N1 2009 influenza virus infection. <i>Korean Journal of Radiology</i> , 2010 , 11, 417-24 | 6.9 | 9 |

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| 62 | Lymph node metastases from gastric cancer: gadofluorine M and gadopentetate dimeglumine MR imaging in a rabbit model. <i>Radiology</i> , 2012 , 263, 391-400 | 20.5 | 9 |
| 61 | Assessment of bevacizumab resistance increased by expression of BCAT1 in IDH1 wild-type glioblastoma: application of DSC perfusion MR imaging. <i>Oncotarget</i> , 2016 , 7, 69606-69615 | 3.3 | 9 |
| 60 | Synthetic MRI: Technologies and Applications in Neuroradiology. <i>Journal of Magnetic Resonance Imaging</i> , 2020 , | 5.6 | 9 |
| 59 | Assessment of Early Therapeutic Response to Nitroxoline in Temozolomide-Resistant Glioblastoma by Amide Proton Transfer Imaging: A Preliminary Comparative Study with Diffusion-weighted Imaging. <i>Scientific Reports</i> , 2019 , 9, 5585 | 4.9 | 8 |
| 58 | Antiangiogenic Effect of Bevacizumab: Application of Arterial Spin-Labeling Perfusion MR Imaging in a Rat Glioblastoma Model. <i>American Journal of Neuroradiology</i> , 2016 , 37, 1650-6 | 4.4 | 8 |
| 57 | Primary intracerebral malignant fibrous histiocytoma: CT, MRI, and PET-CT findings. <i>Journal of Neuroimaging</i> , 2013 , 23, 141-4 | 2.8 | 8 |
| 56 | Investigation of control scans in pseudo-continuous arterial spin labeling (pCASL): Strategies for improving sensitivity and reliability of pCASL. <i>Magnetic Resonance in Medicine</i> , 2017 , 78, 917-929 | 4.4 | 8 |
| 55 | Prognosis of Glioblastoma With Oligodendroglioma Component is Associated With the IDH1 Mutation and MGMT Methylation Status. <i>Translational Oncology</i> , 2014 , 7, 712-9 | 4.9 | 8 |
| 54 | Comparison of lymph node metastases assessment with the use of USPIO-enhanced MR imaging at 1.5 T versus 3.0 T in a rabbit model. <i>Journal of Magnetic Resonance Imaging</i> , 2010 , 31, 134-41 | 5.6 | 8 |
| 53 | Application of diffusion-weighted imaging and dynamic susceptibility contrast perfusion-weighted imaging for ganglioglioma in adults: Comparison study with oligodendroglioma. <i>Journal of Neuroradiology</i> , 2016 , 43, 331-8 | 3.1 | 8 |
| 52 | Dynamic Contrast-Enhanced MR Imaging of Nonenhancing T2 High-Signal-Intensity Lesions in Baseline and Posttreatment Glioblastoma: Temporal Change and Prognostic Value. <i>American Journal of Neuroradiology</i> , 2020 , 41, 49-56 | 4.4 | 8 |
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