

Jong-Ki Kim

List of Publications by Year in descending order

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47
papers

786
citations

567281

15
h-index

526287

27
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47
all docs

47
docs citations

47
times ranked

1185
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhanced proton treatment with a LDLR-ligand peptide-conjugated gold nanoparticles targeting the tumor microenvironment in an infiltrative brain tumor model.. American Journal of Cancer Research, 2022, 12, 198-209.	1.4	1
2	Proton Stimulation Targeting Plaque Magnetite Reduces Amyloid- β^2 Plaque and Iron Redox Toxicity and Improves Memory in an Alzheimer's Disease Mouse Model. Journal of Alzheimer's Disease, 2021, 84, 377-392.	2.6	4
3	Tumor treating fields can effectively overcome trastuzumab resistant breast cancer multiplication. American Journal of Cancer Research, 2021, 11, 3935-3945.	1.4	0
4	Tumor-treating fields as a proton beam-sensitizer for glioblastoma therapy. American Journal of Cancer Research, 2021, 11, 4582-4594.	1.4	0
5	Ion Beam Stimulation Therapy With a Nanoradiator as a Site-Specific Prodrug. Frontiers in Physics, 2020, 8, .	2.1	3
6	Stimulus-Responsive Contact Lens for IOP Measurement or Temperature-Triggered Drug Release. Translational Vision Science and Technology, 2020, 9, 1.	2.2	22
7	X-ray dark-field phase-contrast imaging: Origins of the concept to practical implementation and applications. Physica Medica, 2020, 79, 188-208.	0.7	7
8	Imaging Experiment of Multi-Pinhole Based X-Ray Fluorescence Computed Tomography Using Rat Head Phantoms. , 2019, , .		0
9	Anti-Fit1 peptide and cyanine-conjugated gold nanoparticles for the concurrent antiangiogenic and endothelial cell proton treatment. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2019, 107, 1272-1283.	3.4	11
10	Thermo-sensitive nanogel-claden bicontinuous microemulsion drug-eluting contact lenses. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2019, 107, 1159-1169.	3.4	11
11	Medulla loss of scalp hair in breast cancer patients determined by near-infrared microscopy. Journal of Biomedical Optics, 2019, 24, 1.	2.6	3
12	Thrombolytic fucoidans inhibit the tPA-PAI1 complex, indicating activation of plasma tissue-type plasminogen activator is a mechanism of fucoidan-mediated thrombolysis in a mouse thrombosis model. Thrombosis Research, 2018, 161, 22-25.	1.7	10
13	Wave-propagation simulation and dark-field computed tomography imaging study to elucidate the contrast-loss problem in X-ray diffraction-based transcranial brain imaging. Journal of Applied Physics, 2018, 124, 234701.	2.5	0
14	Track analysis of a synchrotron X-ray photoelectric nanoradiator by in situ fluorescence imaging of reactive oxygen species: comparative study of gold and iron oxide nanoparticles. Journal of Synchrotron Radiation, 2018, 25, 1768-1773.	2.4	1
15	Intravitreal implantable magnetic micropump for on-demand VEGFR-targeted drug delivery. Journal of Controlled Release, 2018, 283, 105-112.	9.9	33
16	Investigation of the redox state of magnetite upon $\text{A}\beta^2$ -fibril formation or proton irradiation; implication of iron redox inactivation and $\text{A}\beta^2$ -amyloidolysis. MRS Communications, 2018, 8, 955-960.	1.8	4
17	Enhanced production of reactive oxygen species in HeLa cells under concurrent low-dose carboplatin and Photofrin $\text{A}\beta^2$ photodynamic therapy. Oncology Reports, 2018, 40, 339-345.	2.6	13
18	Thermoresponsive drug controlled release from chitosan-based hydrogel embedded with poly(N-isopropylacrylamide) nanogels. Journal of Polymer Science Part A, 2018, 56, 1907-1914.	2.3	18

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19	Crystal-based X-ray Medical Imaging Using Synchrotron Radiation and Its Future Prospect. , 2018, , 287-342.		2
20	Synchrotron X-ray nanotomography and three-dimensional nanoscale imaging analysis of pore structure-function in nanoporous polymeric membranes. Journal of Membrane Science, 2017, 535, 28-34.	8.2	14
21	Synchrotron tomographic images from human lung adenocarcinoma: Three-dimensional reconstruction and histologic correlations. Microscopy Research and Technique, 2017, 80, 1141-1148.	2.2	5
22	Reactive oxygen species-based measurement of the dependence of the Coulomb nanoradiator effect on proton energy and atomic Z value. International Journal of Radiation Biology, 2017, 93, 1239-1247.	1.8	20
23	Development of Gallic Acid-Modified Hydrogels Using Interpenetrating Chitosan Network and Evaluation of Their Antioxidant Activity. Molecules, 2017, 22, 1976.	3.8	43
24	Stimulatory effect of an algal fucoidan on the release of vascular endothelial tissue-type plasminogen activator as a mechanism of fucoidan-mediated thrombolysis. Blood Coagulation and Fibrinolysis, 2016, 27, 594-596.	1.0	8
25	Coulomb nanoradiator-mediated, site-specific thrombolytic proton treatment with a traversing pristine Bragg peak. Scientific Reports, 2016, 6, 37848.	3.3	15
26	Dark-Field Imaging: Recent developments and potential clinical applications. Physica Medica, 2016, 32, 1801-1812.	0.7	22
27	Wave propagation simulation based on the Fourier diffraction integral for X-ray refraction contrast imaging-computed tomography. Journal of the Korean Physical Society, 2016, 69, 1098-1104.	0.7	3
28	Synchrotron nanoscopy imaging study of scalp hair in breast cancer patients and healthy individuals: Difference in medulla loss and cortical membrane enhancements. Microscopy Research and Technique, 2016, 79, 23-30.	2.2	11
29	Fluorescence imaging of reactive oxygen species by confocal laser scanning microscopy for track analysis of synchrotron X-ray photoelectric nanoradiator dose: X-ray pump optical probe. Journal of Synchrotron Radiation, 2016, 23, 1191-1196.	2.4	5
30	Enhanced production of reactive oxygen species by gadolinium oxide nanoparticles under core inner-shell excitation by proton or monochromatic X-ray irradiation: implication of the contribution from the interatomic de-excitation-mediated nanoradiator effect to dose enhancement. Radiation and Environmental Biophysics, 2015, 54, 423-431.	1.4	35
31	Algal fucoidan, unlike heparin, has thrombolytic activity in a murine arterial thrombosis model. Blood Coagulation and Fibrinolysis, 2012, 23, 359-366.	1.0	22
32	Enhanced proton treatment in mouse tumors through proton irradiated nanoradiator effects on metallic nanoparticles. Physics in Medicine and Biology, 2012, 57, 8309-8323.	3.0	131
33	Successful full term pregnancy and delivery after concurrent chemo-photodynamic therapy (CCPDT) for the uterine cervical cancer staged 1B1 and 1B2: Preserving fertility in young women. Gynecologic Oncology Case Reports, 2012, 2, 54-57.	0.9	10
34	Photon activated therapy (PAT) using monochromatic Synchrotron x-rays and iron oxide nanoparticles in a mouse tumor model: feasibility study of PAT for the treatment of superficial malignancy. Radiation Oncology, 2012, 7, 184.	2.7	34
35	An Antithrombotic Fucoidan, Unlike Heparin, Does Not Prolong Bleeding Time in a Murine Arterial Thrombosis Model: A Comparative Study of <i>Undaria pinnatifida</i> sporophylls and <i>Fucus vesiculosus</i> . Phytotherapy Research, 2012, 26, 752-757.	5.8	26
36	Visualization of microvascular proliferation as a tumor infiltration structure in rat glioma specimens using the diffraction-enhanced imaging in-plane CT technique. Physics in Medicine and Biology, 2012, 57, 1251-1262.	3.0	6

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37	Therapeutic application of metallic nanoparticles combined with particle-induced x-ray emission effect. <i>Nanotechnology</i> , 2010, 21, 425102.	2.6	84
38	<i>In vivo</i> high-resolution synchrotron radiation imaging of collagen-induced arthritis in a rodent model. <i>Journal of Synchrotron Radiation</i> , 2010, 17, 393-399.	2.4	9
39	INVESTIGATION OF TUMOR CELL TOXICITY FROM PARTICLE INDUCED X-RAY EMISSION FROM A 45-MeV PROTON BEAM IRRADIATED FERRITE NANOPARTICLE. <i>International Journal of PIXE</i> , 2009, 19, 143-155.	0.4	6
40	A gel-forming poly-l-guluronic acid produced from no guluronate-rich marine algae using new hydrolysis method: test for endovascular embolization. <i>Journal of Materials Science: Materials in Medicine</i> , 2009, 20, 1917-1926.	3.6	1
41	High resolution X-ray phase contrast synchrotron imaging of normal and ligation damaged rat sciatic nerves. <i>Microscopy Research and Technique</i> , 2008, 71, 443-447.	2.2	7
42	Fluorescence Kinetics of Protoporphyrin IX Induced from 5-ALA Compounds in Rabbit Postballoon Injury Model for ALA-Photoangioplasty. <i>Photochemistry and Photobiology</i> , 2008, 84, 1209-1214.	2.5	16
43	High-resolution X-ray refraction imaging of rat lung and histological correlations. <i>Microscopy Research and Technique</i> , 2006, 69, 656-659.	2.2	15
44	In vivo ¹ H-MRS evaluation of malignant and benign breast diseases. <i>Breast</i> , 2003, 12, 179-182.	2.2	56
45	¹ H-NMR Studies of Duplex DNA Decamer Containing a Uracil Cyclobutane Dimer: Implications Regarding the High UV Mutagenicity of CC Photolesions. <i>Photochemistry and Photobiology</i> , 2002, 76, 417-422.	2.5	0
46	The solution structure of DNA decamer duplex containing the Dewar product of thymidylyl(3'5')thymidine by NMR and full relaxation matrix refinement. <i>FEBS Letters</i> , 1998, 428, 269-274.	2.8	17
47	NMR Structural Studies of DNA Decamer Duplex Containing the Dewar Photoproduct of Thymidylyl(3'5')Thymidine. Conformational Changes of the Oligonucleotide Duplex by Photoconversion of a (6-4) Adduct to its Dewar Valence Isomer. <i>FEBS Journal</i> , 1996, 235, 359-365.	0.2	22