

Jun Ki Kim

List of Publications by Year in descending order

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49
papers

736
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567281

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1109
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#	ARTICLE	IF	CITATIONS
1	Multimodal Imaging of Laser Speckle Contrast Imaging Combined With Mosaic Filter-Based Hyperspectral Imaging for Precise Surgical Guidance. <i>IEEE Transactions on Biomedical Engineering</i> , 2022, 69, 443-452.	4.2	13
2	Image Correlation-Based Method to Assess Ciliary Beat Frequency in Human Airway Organoids. <i>IEEE Transactions on Medical Imaging</i> , 2022, 41, 374-382.	8.9	3
3	Intravital imaging and single cell transcriptomic analysis for engraftment of mesenchymal stem cells in an animal model of interstitial cystitis/bladder pain syndrome. <i>Biomaterials</i> , 2022, 280, 121277.	11.4	11
4	Nano-biomarker-Based Surface-Enhanced Raman Spectroscopy for Selective Diagnosis of Gallbladder and Liver Injury. <i>Biochip Journal</i> , 2022, 16, 49-57.	4.9	7
5	Homobifunctional Imidoester Combined Black Phosphorus Nanosheets Used as Cofactors for Nucleic Acid Extraction. <i>Biochip Journal</i> , 2022, 16, 58-66.	4.9	7
6	Minimizing Motion Artifacts in Intravital Microscopy Using the Sedative Effect of Dexmedetomidine. <i>Microscopy and Microanalysis</i> , 2022, 28, 1679-1686.	0.4	1
7	Compact Smartphone-Based Laser Speckle Contrast Imaging Endoscope Device for Point-of-Care Blood Flow Monitoring. <i>Biosensors</i> , 2022, 12, 398.	4.7	3
8	Label-Free Raman Spectroscopic Techniques with Morphological and Optical Characterization for Cancer Cell Analysis. <i>Advances in Experimental Medicine and Biology</i> , 2021, 1310, 385-399.	1.6	1
9	Poly(A)+ Sensing of Hybridization-Sensitive Fluorescent Oligonucleotide Probe Characterized by Fluorescence Correlation Methods. <i>International Journal of Molecular Sciences</i> , 2021, 22, 6433.	4.1	0
10	A Portable Smartphone-Based Laryngoscope System for High-Speed Vocal Cord Imaging of Patients With Throat Disorders: Instrument Validation Study. <i>JMIR MHealth and UHealth</i> , 2021, 9, e25816.	3.7	7
11	A Wi-Fi-Based Mask-Type Laryngoscope for Telediagnosis During the COVID-19 Pandemic: Instrument Validation Study. <i>Journal of Medical Internet Research</i> , 2021, 23, e31224.	4.3	1
12	Mobility of Nucleostemin in Live Cells Is Specifically Related to Transcription Inhibition by Actinomycin D and GTP-Binding Motif. <i>International Journal of Molecular Sciences</i> , 2021, 22, 8293.	4.1	0
13	Micro-endoscopy for Live Small Animal Fluorescent Imaging. <i>Advances in Experimental Medicine and Biology</i> , 2021, 1310, 153-186.	1.6	2
14	Variably Sized and Multi-Colored Silica-Nanoparticles Characterized by Fluorescence Correlation Methods for Cellular Dynamics. <i>Materials</i> , 2021, 14, 19.	2.9	5
15	Characterizing Organelles in Live Stem Cells Using Label-Free Optical Diffraction Tomography. <i>Molecules and Cells</i> , 2021, 44, 851-860.	2.6	10
16	SERS Effect on Spin-Coated Seeding of Tilted Au-ZnO Nanorods for Low-Cost Diagnosis. <i>Materials</i> , 2020, 13, 5321.	2.9	4
17	Mean-Subtraction Method for De-Shadowing of Tail Artifacts in Cerebral OCTA Images: A Proof of Concept. <i>Materials</i> , 2020, 13, 2024.	2.9	12
18	Selective Targeting of Cancer Stem Cells (CSCs) Based on Photodynamic Therapy (PDT) Penetration Depth Inhibits Colon Polyp Formation in Mice. <i>Cancers</i> , 2020, 12, 203.	3.7	6

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19	Stereotaxic endoscopy for the ocular imaging of awake, freely moving animal models. <i>Journal of Biophotonics</i> , 2020, 13, e201960188.	2.3	2
20	Cost-Effective Smartphone-Based Articulable Endoscope Systems for Developing Countries: Instrument Validation Study. <i>JMIR MHealth and UHealth</i> , 2020, 8, e17057.	3.7	10
21	Selective Detection of Nano-Sized Diagnostic Markers Using Au-ZnO Nanorod-Based Surface-Enhanced Raman Spectroscopy (SERS) in Ureteral Obstruction Models. <i>International Journal of Nanomedicine</i> , 2020, Volume 15, 8121-8130.	6.7	7
22	Physicochemical Properties of Nucleoli in Live Cells Analyzed by Label-Free Optical Diffraction Tomography. <i>Cells</i> , 2019, 8, 699.	4.1	24
23	Micro-endoscopic <i>In Vivo</i> Monitoring in the Blood and Lymphatic Vessels of the Oral Cavity after Radiation Therapy. <i>International Journal of Medical Sciences</i> , 2019, 16, 1525-1533.	2.5	0
24	Mitotic Chromosomes in Live Cells Characterized Using High-Speed and Label-Free Optical Diffraction Tomography. <i>Cells</i> , 2019, 8, 1368.	4.1	20
25	Diagnosis in a Preclinical Model of Bladder Pain Syndrome Using a Au/ZnO Nanorod-based SERS Substrate. <i>Nanomaterials</i> , 2019, 9, 224.	4.1	7
26	Optimization of ZnO Nanorod-Based Surface Enhanced Raman Scattering Substrates for Bio-Applications. <i>Nanomaterials</i> , 2019, 9, 447.	4.1	18
27	Longitudinal micro-endoscopic monitoring of high-success intramucosal xenografts for mouse models of colorectal cancer. <i>International Journal of Medical Sciences</i> , 2019, 16, 1453-1460.	2.5	6
28	Multi-Spectral Fluorescence Imaging of Colon Dysplasia <i>In Vivo</i> Using a Multi-Spectral Endoscopy System. <i>Translational Oncology</i> , 2019, 12, 226-235.	3.7	17
29	Miniaturized omnidirectional flexible side-view endoscope for rapid monitoring of thin tubular biostructures. <i>Biomedical Optics Express</i> , 2019, 10, 2264.	2.9	8
30	Transfer-Matrix Investigation of High Sensitivity Hybrid Glass/Polymer Long Period Fiber Gratings. , 2018, , .		0
31	Longitudinal intravital imaging of transplanted mesenchymal stem cells elucidates their functional integration and therapeutic potency in an animal model of interstitial cystitis/bladder pain syndrome. <i>Theranostics</i> , 2018, 8, 5610-5624.	10.0	38
32	<i>In Vivo</i> Fluorescence Microendoscopic Monitoring of Stent-Induced Fibroblast Cell Proliferation in an Esophageal Mouse Model. <i>Journal of Vascular and Interventional Radiology</i> , 2018, 29, 1756-1763.	0.5	5
33	Enhancement of local surface plasmon resonance (LSPR) effect by biocompatible metal clustering based on ZnO nanorods in Raman measurements. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 204, 203-208.	3.9	23
34	Local-dependency of morphological and optical properties between breast cancer cell lines. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 205, 132-138.	3.9	11
35	Tracking the Fate of Porous Silicon Nanoparticles Delivering a Peptide Payload by Intrinsic Photoluminescence Lifetime. <i>Advanced Materials</i> , 2018, 30, e1802878.	21.0	35
36	Integrative microendoscopic system combined with conventional microscope for live animal tissue imaging. <i>Journal of Biophotonics</i> , 2018, 11, e201800206.	2.3	5

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37	The Therapeutic Effect of Human Embryonic Stem Cell-Derived Multipotent Mesenchymal Stem Cells on Chemical-Induced Cystitis in Rats. <i>International Neurourology Journal</i> , 2018, 22, S34-45.	1.2	23
38	Fluoroscopic removal of retrievable self-expandable metal stents in patients with malignant oesophageal strictures: Experience with a non-endoscopic removal system. <i>European Radiology</i> , 2017, 27, 1257-1266.	4.5	5
39	Fluorescent cell-selective ablation using an adaptive photodynamic method. <i>Chemical Communications</i> , 2017, 53, 12434-12437.	4.1	2
40	Improved efficacy and in vivo cellular properties of human embryonic stem cell derivative in a preclinical model of bladder pain syndrome. <i>Scientific Reports</i> , 2017, 7, 8872.	3.3	35
41	Ultrahigh-resolution optical coherence elastography through a micro-endoscope: towards in vivo imaging of cellular-scale mechanics. <i>Biomedical Optics Express</i> , 2017, 8, 5127.	2.9	20
42	In vivo imaging of Lgr5-positive cell populations using confocal laser endomicroscopy during early colon tumorigenesis. <i>Endoscopy</i> , 2014, 46, 1110-1116.	1.8	15
43	Optical fine-needle imaging biopsy of the brain. <i>Biomedical Optics Express</i> , 2013, 4, 2846.	2.9	4
44	Endoscopic Time-Lapse Imaging of Immune Cells in Infarcted Mouse Hearts. <i>Circulation Research</i> , 2013, 112, 891-899.	4.5	161
45	350-nm side-view optical probe for imaging the murine brain in vivo from the cortex to the hypothalamus. <i>Journal of Biomedical Optics</i> , 2013, 18, 050502.	2.6	18
46	Fabrication and operation of GRIN probes for in vivo fluorescence cellular imaging of internal organs in small animals. <i>Nature Protocols</i> , 2012, 7, 1456-1469.	12.0	89
47	In Vivo Imaging of Tracheal Epithelial Cells in Mice during Airway Regeneration. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2012, 47, 864-868.	2.9	26
48	Surface-Enhanced Raman Spectroscopy (SERS) Based on ZnO Nanorods for Biological Applications. , 0, , .		5
49	Automated counting of cerebral penetrating vessels using optical coherence tomography images of a mouse brain in vivo. <i>Medical Physics</i> , 0, , .	3.0	2