

Segyeong Joo

List of Publications by Year in descending order

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Version: 2024-02-01

49
papers

927
citations

623734

14
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454955

30
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52
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52
docs citations

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times ranked

1529
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#	ARTICLE	IF	CITATIONS
1	Unified Deep Learning-Based Mouse Brain MR Segmentation: Template-Based Individual Brain Positron Emission Tomography Volumes-of-Interest Generation Without Spatial Normalization in Mouse Alzheimer Model. <i>Frontiers in Aging Neuroscience</i> , 2022, 14, 807903.	3.4	6
2	The Predictive Value of Intraoperative Esophageal Functional Luminal Imaging Probe Panometry in Patients With Achalasia Undergoing Peroral Endoscopic Myotomy: A Single-center Experience. <i>Journal of Neurogastroenterology and Motility</i> , 2022, 28, 474-482.	2.4	9
3	Development of a Portable Respiratory Gas Analyzer for Measuring Indirect Resting Energy Expenditure (REE). <i>Journal of Healthcare Engineering</i> , 2021, 2021, 1-10.	1.9	3
4	A simple apparatus for safety assessment of magnetically induced torque on active implantable medical devices (AIMDs) under 1.5T and 3.0T MRI. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2021, 34, 767-774.	2.0	2
5	ECG data dependency for atrial fibrillation detection based on residual networks. <i>Scientific Reports</i> , 2021, 11, 18256.	3.3	12
6	New parameter for quantifying bolus transit with high-resolution impedance manometry: A comparison with simultaneous esophagogram. <i>Neurogastroenterology and Motility</i> , 2020, 32, e13847.	3.0	3
7	Why Do Data Users Say Health Care Data Are Difficult to Use? A Cross-Sectional Survey Study. <i>Journal of Medical Internet Research</i> , 2019, 21, e14126.	4.3	9
8	Changes of pleural pressure after thoracic surgery. <i>Journal of Thoracic Disease</i> , 2018, 10, 4109-4117.	1.4	5
9	Impact of a custom-made 3D printed ergonomic grip for direct laryngoscopy on novice intubation performance in a simulated easy and difficult airway scenario—a manikin study. <i>PLoS ONE</i> , 2018, 13, e0207445.	2.5	7
10	New Metrics in High-Resolution and High-Definition Anorectal Manometry. <i>Current Gastroenterology Reports</i> , 2018, 20, 57.	2.5	9
11	A high-resolution anorectal manometry parameter based on integrated pressurized volume: A study based on 204 male patients with constipation and 26 controls. <i>Neurogastroenterology and Motility</i> , 2018, 30, e13376.	3.0	16
12	Sa1710 Predicting a Responsiveness to Biofeedback Therapy Based on Three-Dimensional Integrated Pressurized Volume in Female Patients With Dyssynergic Defecation Using High-Resolution Anorectal Manometry. <i>Gastrointestinal Endoscopy</i> , 2017, 85, AB249.	1.0	1
13	Prediction of Ventricular Tachycardia One Hour before Occurrence Using Artificial Neural Networks. <i>Scientific Reports</i> , 2016, 6, 32390.	3.3	73
14	Tu1772 A New High-Resolution Anorectal Manometry Parameter Based on Three-Dimensional Integrated Pressurized Volume in Both Asymptomatic Healthy Individuals and Patients With Chronic Constipation. <i>Gastroenterology</i> , 2016, 150, S940-S941.	1.3	0
15	Sa1330 New Bolus Transit Parameter in High-resolution Impedance Manometry: Validation with Simultaneous Barium Esophagography. <i>Gastroenterology</i> , 2016, 150, S285.	1.3	1
16	Evaluation of Mobile Health Applications Developed by a Tertiary Hospital as a Tool for Quality Improvement Breakthrough. <i>Healthcare Informatics Research</i> , 2015, 21, 299.	1.9	20
17	Early prediction of ventricular tachyarrhythmias based on heart rate variability analysis. , 2015, , .		3
18	Optimal design of a CsI(Tl) crystal in a SiPM based compact radiation sensor. <i>Radiation Measurements</i> , 2015, 82, 102-107.	1.4	14

#	ARTICLE	IF	CITATIONS
19	Sa1348 A Novel High-Resolution Anorectal Squeezing Parameter for Fecal Incontinence Using Three-Dimensional Integrated Pressurized Volume: A Comparison Between Elderly Female Patients With Fecal Incontinence and Asymptomatic Normal Female Controls. <i>Gastroenterology</i> , 2015, 148, S-298-S-299.	1.3	0
20	A Smartphone-Based System for the Automated Management of Point-of-Care Test Results in Hospitals. <i>Telemedicine Journal and E-Health</i> , 2015, 21, 301-305.	2.8	12
21	β ² -Amyloid is transmitted via neuronal connections along axonal membranes. <i>Annals of Neurology</i> , 2014, 75, 88-97.	5.3	95
22	A novel high-resolution anorectal manometry parameter based on a three-dimensional integrated pressurized volume of a spatiotemporal plot, for predicting balloon expulsion in asymptomatic normal individuals. <i>Neurogastroenterology and Motility</i> , 2014, 26, 937-949.	3.0	22
23	Mo2021 A New High-Resolution Anorectal Manometry Parameter for Fecal Incontinence Based on Three-Dimensional Integrated Pressurized Volume of a Spatiotemporal Plot: Comparison Between Elderly Female Patients With Fecal Incontinence and Asymptomatic Normal Female Controls. <i>Gastroenterology</i> , 2014, 146, S-719-S-720.	1.3	0
24	Tu1985 New Bolus Transit Parameter in High-Resolution Impedance Manometry: Correlation With Radionuclide Esophageal Transit Scintigraphy. <i>Gastroenterology</i> , 2014, 146, S-890-S-891.	1.3	0
25	Activity Classification Using 3-Axis Accelerometer Wearing on Wrist for the Elderly. <i>IFMBE Proceedings</i> , 2014, , 1485-1488.	0.3	0
26	Development of Cost-Effective Platform for Tracking and Analysis of Animal Ambulatory Patterns. <i>Journal of Sensor Science and Technology</i> , 2014, 23, 82-86.	0.2	0
27	Sa1315 Three-Dimensional Volume of Inverted Impedance (VII): A Novel Method to Measure Bolus Transit Using High-Resolution Impedance Manometry and Its Relationship to Key Parameters of the Chicago Classification Based on an Asymptomatic Normal Population. <i>Gastroenterology</i> , 2013, 144, S-260.	1.3	2
28	Su1877 Chicago Classification Normal Reference Range Significantly Altered When Patients Over Age 50 Included. <i>Gastroenterology</i> , 2013, 144, S-498.	1.3	0
29	Tu1194 Oropharyngeal Risk Index of Three-Dimensional Volume of Inverted Impedance (ORIV), a Novel Method to Estimate Oropharyngeal Abnormality: Based on Comparison Between Oropharyngeal Cancer and Asymptomatic Normal Controls Using High-Resolution Impedance Manometry. <i>Gastroenterology</i> , 2013, 144, S-786-S-787.	1.3	0
30	Sa2039 New High-Resolution Anorectal Manometry Parameter for Predicting Balloon Expulsion in Both Constipated Patients and Asymptomatic Controls on the Basis of a Three-Dimensional Integrated Pressurized Volume of Spatiotemporal Plot: The Comparison Between Conventional Supine and Physiological Sitting Positions During Simulated Evacuation. <i>Gastroenterology</i> , 2013, 144, S-367.	1.3	1
31	A System for Improving the Management of the Lesion and Test Images of Patients. <i>Engineering</i> , 2013, 05, 163-165.	0.8	0
32	Sa1187 Three-Dimensional Volume of Inverted Impedance (3D-Vii): A Novel Method to Measure Bolus Transit Using High-Resolution Impedance Manometry. <i>Gastroenterology</i> , 2012, 142, S-238.	1.3	2
33	Tu2010 New High-Resolution Anorectal Manometry Parameters for Predicting Balloon Expulsion in Patients With Chronic Constipation: Based on Three-Dimensional Integrated Pressurized Volume of Spatiotemporal Plot. <i>Gastroenterology</i> , 2012, 142, S-900-S-901.	1.3	0
34	Improvement in the image transmission of the mobile digital C-arm X-ray system in the operating room. , 2012, , .		0
35	In-Channel Electrochemical Detection in the Middle of Microchannel under High Electric Field. <i>Analytical Chemistry</i> , 2012, 84, 901-907.	6.5	20
36	Prediction of spontaneous ventricular tachyarrhythmia by an artificial neural network using parameters gleaned from short-term heart rate variability. <i>Expert Systems With Applications</i> , 2012, 39, 3862-3866.	7.6	44

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37	A predictor for ventricular tachycardia based on heart rate variability analysis. , 2011, , .		2
38	Development of an assistance system for the Botox procedure of patients with strabismus. , 2011, , .		0
39	SERS decoding of micro gold shells moving in microfluidic systems. Electrophoresis, 2010, 31, 1623-1629.	2.4	18
40	A portable microfluidic flow cytometer based on simultaneous detection of impedance and fluorescence. Biosensors and Bioelectronics, 2010, 25, 1509-1515.	10.1	55
41	A comparison of fabrication methods for Iridium Oxide reference electrodes. , 2009, , .		2
42	Chemical Sensors with Integrated Electronics. Chemical Reviews, 2008, 108, 638-651.	47.7	114
43	Integration of a Nanoporous Platinum Thin Film into a Microfluidic System for Non-enzymatic Electrochemical Glucose Sensing. Analytical Sciences, 2007, 23, 277-281.	1.6	51
44	A rapid field-free electroosmotic micropump incorporating charged microchannel surfaces. Sensors and Actuators B: Chemical, 2007, 123, 1161-1168.	7.8	19
45	Silicon Micromachined Infrared Thin-Layer Cell for In Situ Spectroelectrochemical Analysis of Aqueous and Nonaqueous Solvent System. Electroanalysis, 2005, 17, 959-964.	2.9	6
46	Computer-Aided Diagnosis of Solid Breast Nodules: Use of an Artificial Neural Network Based on Multiple Sonographic Features. IEEE Transactions on Medical Imaging, 2004, 23, 1292-1300.	8.9	223
47	In vivo calibration of the subcutaneous amperometric glucose sensors using a non-enzyme electrode. Biosensors and Bioelectronics, 2003, 19, 313-319.	10.1	23
48	Analysis of Heavy-Metal Ions Using Mercury Microelectrodes and a Solid-State Reference Electrode on a Si Wafer. Japanese Journal of Applied Physics, 2000, 39, 7159-7163.	1.5	23
49	Analysis of heavy-metal-ions using mercury microelectrodes and a solid-state reference electrode fabricated on a Si wafer. , 0, , .		0