

In-Young Kim

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2193811/publications.pdf>

Version: 2024-02-01

121
papers

1,745
citations

304602

22
h-index

345118

36
g-index

122
all docs

122
docs citations

122
times ranked

2446
citing authors

#	ARTICLE	IF	CITATIONS
1	Semi-supervised automatic seizure detection using personalized anomaly detecting variational autoencoder with behind-the-ear EEG. <i>Computer Methods and Programs in Biomedicine</i> , 2022, 213, 106542.	2.6	21
2	Selective Prediction With Long Short-term Memory Using Unit-Wise Batch Standardization for Time Series Health Data Sets: Algorithm Development and Validation. <i>JMIR Medical Informatics</i> , 2022, 10, e30587.	1.3	3
3	Prognostic Impact of In-Hospital Use of Mechanical Cardiopulmonary Resuscitation Devices Compared with Manual Cardiopulmonary Resuscitation: A Nationwide Population-Based Observational Study in South Korea. <i>Medicina (Lithuania)</i> , 2022, 58, 353.	0.8	2
4	Mental Stress Assessment Using Ultra Short Term HRV Analysis Based on Non-Linear Method. <i>Biosensors</i> , 2022, 12, 465.	2.3	20
5	Diminished cognitive control in Internet gaming disorder: A multimodal approach with magnetic resonance imaging and real-time heart rate variability. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2021, 111, 110127.	2.5	8
6	Development of Smart-Ring-Based Chest Compression Depth Feedback Device for High Quality Chest Compressions: A Proof-of-Concept Study. <i>Biosensors</i> , 2021, 11, 35.	2.3	8
7	Automated remote decision-making algorithm as a primary triage system using machine learning techniques. <i>Physiological Measurement</i> , 2021, 42, 025006.	1.2	4
8	Effects of mobile messenger counseling on case management success for individuals engaging in self-harm or suicide attempts who were discharged from emergency departments. <i>Clinical and Experimental Emergency Medicine</i> , 2021, 8, 48-54.	0.5	5
9	Impact of a Smart-Ring-Based Feedback System on the Quality of Chest Compressions in Adult Cardiac Arrest: A Randomized Preliminary Study. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 5408.	1.2	3
10	Comparison of the Effects of Hepatic Steatosis on Monoexponential DWI, Intravoxel Incoherent Motion Diffusion-weighted Imaging and Diffusion Kurtosis Imaging. <i>Academic Radiology</i> , 2021, 28, S203-S209.	1.3	4
11	Comparing Ictal Cardiac Autonomic Changes in Patients with Frontal Lobe Epilepsy and Temporal Lobe Epilepsy by Ultra-Short-Term Heart Rate Variability Analysis. <i>Medicina (Lithuania)</i> , 2021, 57, 666.	0.8	7
12	Deep-learning framework and computer assisted fatty infiltration analysis for the supraspinatus muscle in MRI. <i>Scientific Reports</i> , 2021, 11, 15065.	1.6	25
13	ECG Authentication Based on Non-Linear Normalization under Various Physiological Conditions. <i>Sensors</i> , 2021, 21, 6966.	2.1	7
14	Maladaptive neurovisceral interactions in patients with Internet gaming disorder: A study of heart rate variability and functional neural connectivity using the graph theory approach. <i>Addiction Biology</i> , 2020, 25, e12805.	1.4	14
15	Histogram analysis from stretched exponential model on diffusion-weighted imaging: evaluation of clinically significant prostate cancer. <i>British Journal of Radiology</i> , 2020, 93, 20190757.	1.0	7
16	Sensitive and Selective Measurement of Serotonin <i>in Vivo</i> Using Fast Cyclic Square-Wave Voltammetry. <i>Analytical Chemistry</i> , 2020, 92, 774-781.	3.2	20
17	Clip-On IMU System for Assessing Age-Related Changes in Hand Functions. <i>Sensors</i> , 2020, 20, 6313.	2.1	4
18	Can Mobile Videocall Assist Laypersons' Use of Automated External Defibrillators? A Randomized Simulation Study and Qualitative Analysis. <i>BioMed Research International</i> , 2020, 2020, 1-7.	0.9	3

#	ARTICLE	IF	CITATIONS
19	Patterns of enhancement in paretic shoulder kinematics after stroke with musical cueing. <i>Scientific Reports</i> , 2020, 10, 18109.	1.6	5
20	Motion Artifact Reduction in Wearable Photoplethysmography Based on Multi-Channel Sensors with Multiple Wavelengths. <i>Sensors</i> , 2020, 20, 1493.	2.1	68
21	Unsupervised automatic seizure detection for focal-onset seizures recorded with behind-the-ear EEG using an anomaly-detecting generative adversarial network. <i>Computer Methods and Programs in Biomedicine</i> , 2020, 193, 105472.	2.6	39
22	The Use of Catheter Mount Will Result in More Reliable Carbon Dioxide Monitoring under Fluid Exposing Conditions. <i>Emergency Medicine International</i> , 2019, 2019, 1-7.	0.3	0
23	Fornix Stimulation Induces Metabolic Activity and Dopaminergic Response in the Nucleus Accumbens. <i>Frontiers in Neuroscience</i> , 2019, 13, 1109.	1.4	10
24	Development of an automatic muscle atrophy measuring algorithm to calculate the ratio of supraspinatus in supraspinous fossa using deep learning. <i>Computer Methods and Programs in Biomedicine</i> , 2019, 182, 105063.	2.6	29
25	Association of ambient temperature with the outcomes in witnessed out-of-hospital cardiac arrest patients: a population-based observational study. <i>Scientific Reports</i> , 2019, 9, 13417.	1.6	3
26	Diminished Frontal Theta Activity During Gaming in Young Adults With Internet Gaming Disorder. <i>Frontiers in Neuroscience</i> , 2019, 13, 1183.	1.4	8
27	Effects of degree and symmetry of bilateral spectral smearing, carrier frequency, and subject sex on amplitude of evoked auditory steady-state response signal. <i>Cognitive Neurodynamics</i> , 2019, 13, 151-160.	2.3	5
28	Differences in theta coherence between spatial and nonspatial attention using intracranial electroencephalographic signals in humans. <i>Human Brain Mapping</i> , 2019, 40, 2336-2346.	1.9	5
29	Altered Heart Rate Variability During Gaming in Internet Gaming Disorder. <i>Cyberpsychology, Behavior, and Social Networking</i> , 2018, 21, 259-267.	2.1	18
30	Gray matter differences in the anterior cingulate and orbitofrontal cortex of young adults with Internet gaming disorder: Surface-based morphometry. <i>Journal of Behavioral Addictions</i> , 2018, 7, 21-30.	1.9	35
31	New Method for Pure-Tone Audiometry Using Electrooculogram: A Proof-of-Concept Study. <i>Sensors</i> , 2018, 18, 3651.	2.1	2
32	Right Hemisphere Lateralization in Neural Connectivity Within Fronto-Parietal Networks in Non-human Primates During a Visual Reaching Task. <i>Frontiers in Behavioral Neuroscience</i> , 2018, 12, 186.	1.0	3
33	A data-driven artificial intelligence model for remote triage in the prehospital environment. <i>PLoS ONE</i> , 2018, 13, e0206006.	1.1	41
34	Fast Cyclic Square-Wave Voltammetry To Enhance Neurotransmitter Selectivity and Sensitivity. <i>Analytical Chemistry</i> , 2018, 90, 13348-13355.	3.2	31
35	A PHONOCARDIOGRAM-BASED NOISE-ROBUST REAL-TIME HEART RATE MONITORING ALGORITHM FOR OUTPATIENTS DURING NORMAL ACTIVITIES. <i>Journal of Mechanics in Medicine and Biology</i> , 2018, 18, 1850044.	0.3	4
36	Multi-waveform fast-scan cyclic voltammetry mapping of adsorption/desorption kinetics of biogenic amines and their metabolites. <i>Analytical Methods</i> , 2018, 10, 2834-2843.	1.3	8

#	ARTICLE	IF	CITATIONS
37	Long-term evaluation and feasibility study of the insulated screw electrode for ECoG recording. <i>Journal of Neuroscience Methods</i> , 2018, 308, 261-268.	1.3	5
38	Tracking tonic dopamine levels in vivo using multiple cyclic square wave voltammetry. <i>Biosensors and Bioelectronics</i> , 2018, 121, 174-182.	5.3	75
39	Analysis of temporal firing patterns of primary afferent C-fibers for different sensations in mice. <i>International Journal of Precision Engineering and Manufacturing</i> , 2017, 18, 739-745.	1.1	1
40	A Supporting Platform for Semi-Automatic Hyoid Bone Tracking and Parameter Extraction from Videofluoroscopic Images for the Diagnosis of Dysphagia Patients. <i>Dysphagia</i> , 2017, 32, 315-326.	1.0	15
41	Developing ultrasound tactile sensitivity testing device with optical detector for measuring surface strain. , 2017, , .		0
42	Effects of spectral smearing of stimuli on the performance of auditory steady-state response-based brain-computer interface. <i>Cognitive Neurodynamics</i> , 2017, 11, 515-527.	2.3	7
43	Sex differences of cognitive load effects on object-location binding memory. <i>Biomedical Engineering Letters</i> , 2017, 7, 305-309.	2.1	2
44	Tailoring fast-scan cyclic voltammetry for tonic dopamine concentration measurement. , 2017, , .		0
45	An Eye-Blinking-Based Beamforming Control Protocol for Hearing Aid Users With Neurological Motor Disease or Limb Amputation. <i>Artificial Organs</i> , 2017, 41, 162-168.	1.0	3
46	Comparing the standards of one metabolic equivalent of task in accurately estimating physical activity energy expenditure based on acceleration. <i>Journal of Sports Sciences</i> , 2017, 35, 1279-1286.	1.0	6
47	Decoding Saccadic Directions Using Epidural ECoG in Non-Human Primates. <i>Journal of Korean Medical Science</i> , 2017, 32, 1243.	1.1	4
48	A Trainable Hearing Aid Algorithm Reflecting Individual Preferences for Degree of Noise-Suppression, Input Sound Level, and Listening Situation. <i>Clinical and Experimental Otorhinolaryngology</i> , 2017, 10, 56-65.	1.1	4
49	A Case of Primary Bone Marrow Diffuse Large B-cell Lymphoma Presenting with Polyarthritis. <i>Journal of Rheumatic Diseases</i> , 2016, 23, 256.	0.4	0
50	Training a Chest Compression of 6-7 cm Depth for High Quality Cardiopulmonary Resuscitation in Hospital Setting: A Randomised Controlled Trial. <i>Yonsei Medical Journal</i> , 2016, 57, 505.	0.9	3
51	A Case of Myeloid Sarcoma of Intestine. <i>Korean journal of gastroenterology = Taehan Sohwagi Hakhoe chi, The</i> , 2016, 68, 148.	0.2	4
52	Analysis of Nociceptive Information Encoded in the Temporal Discharge Patterns of Cutaneous C-Fibers. <i>Frontiers in Computational Neuroscience</i> , 2016, 10, 118.	1.2	11
53	Bilateral Deep Brain Stimulation of the Subthalamic Nucleus under Sedation with Propofol and Fentanyl. <i>PLoS ONE</i> , 2016, 11, e0152619.	1.1	12
54	EFFECT OF VARIATIONS IN MICROPHONE COVER SHAPE AND WEARING POSITION ON THE PERFORMANCE OF A HEARING-SUPPORT DEVICE MOUNTED ON EAR SIMULATION STUDY. <i>Journal of Mechanics in Medicine and Biology</i> , 2016, 16, 1650048.	0.3	1

#	ARTICLE	IF	CITATIONS
55	Neural correlates of spatial and nonspatial attention determined using intracranial electroencephalographic signals in humans. <i>Human Brain Mapping</i> , 2016, 37, 3041-3054.	1.9	14
56	Monitoring In Vivo Changes in Tonic Extracellular Dopamine Level by Charge-Balancing Multiple Waveform Fast-Scan Cyclic Voltammetry. <i>Analytical Chemistry</i> , 2016, 88, 10962-10970.	3.2	56
57	Effect of processing-based and microphone-based noise reduction algorithms on intelligibility-related acoustic features: A parametric investigation study. <i>Speech Communication</i> , 2016, 78, 11-18.	1.6	0
58	SIMULATION STUDY TO COMPARE THE RELATIONSHIP BETWEEN THE BLAST-INDUCED OBJECTIVE INDICES AND THE SURVIVAL RATE OF SUBJECTS WITH PRIMARY BLAST LUNG INJURY. <i>Journal of Mechanics in Medicine and Biology</i> , 2015, 15, 1550043.	0.3	1
59	A New Asymmetric Directional Microphone Algorithm With Automatic Mode Switching Ability for Binaural Hearing Support Devices. <i>Artificial Organs</i> , 2015, 39, 535-540.	1.0	3
60	An Environment-Adaptive Management Algorithm for Hearing-Support Devices Incorporating Listening Situation and Noise Type Classifiers. <i>Artificial Organs</i> , 2015, 39, 361-368.	1.0	4
61	A Diagonal-Steering-Based Binaural Beamforming Algorithm Incorporating a Diagonal Speech Localizer for Persons With Bilateral Hearing Impairment. <i>Artificial Organs</i> , 2015, 39, 1061-1068.	1.0	3
62	The effects of different anesthetic methods on neuronal activity and movement symptoms of Parkinson's disease. <i>International Journal of Precision Engineering and Manufacturing</i> , 2015, 16, 573-579.	1.1	1
63	Altered Quality of Life and Psychological Health (SCL-90-R) in Patients With Chronic Rhinosinusitis With Nasal Polyps. <i>Annals of Otolaryngology, Rhinology and Laryngology</i> , 2015, 124, 663-670.	0.6	36
64	Low-frequency oscillations in cerebrovascular and cardiovascular hemodynamics: Their interrelationships and the effect of age. <i>Microvascular Research</i> , 2015, 102, 46-53.	1.1	6
65	Correlation between Inter-Blink Interval and Episodic Encoding during Movie Watching. <i>PLoS ONE</i> , 2015, 10, e0141242.	1.1	23
66	Effects of the Simultaneous Application of Nonlinear Frequency Compression and Dichotic Hearing on the Speech Recognition of Severely Hearing-Impaired Subjects: Simulation Test. <i>Clinical and Experimental Otorhinolaryngology</i> , 2015, 8, 102.	1.1	2
67	A new hemostatic clip for endoscopic surgery that can maintain blood flow after clipping. <i>World Journal of Gastroenterology</i> , 2014, 20, 1325.	1.4	1
68	Influence of Propofol and Fentanyl on Deep Brain Stimulation of the Subthalamic Nucleus. <i>Journal of Korean Medical Science</i> , 2014, 29, 1278.	1.1	24
69	The Current Status of Evaluation Technologies for the Function of Human Olfaction. <i>Hanyang Medical Reviews</i> , 2014, 34, 120.	0.4	4
70	Enhanced Beam-Steering-Based Diagonal Beamforming Algorithm for Binaural Hearing Support Devices. <i>Artificial Organs</i> , 2014, 38, 608-615.	1.0	6
71	A comparison of frequency-invariant beamforming algorithms for hearing aids: Differential microphone-based beamformers and the broadband beamformer. <i>Biomedical Engineering Letters</i> , 2014, 4, 166-175.	2.1	3
72	Investigation of the reduction process of dopamine using paired pulse voltammetry. <i>Journal of Electroanalytical Chemistry</i> , 2014, 717-718, 157-164.	1.9	13

#	ARTICLE	IF	CITATIONS
73	The effect of low frequency stimulation of the pedunclopontine tegmental nucleus on basal ganglia in a rat model of Parkinson's disease. <i>Neuroscience Letters</i> , 2014, 577, 16-21.	1.0	9
74	5-hydroxytryptamine measurement using paired pulse voltammetry. <i>Biomedical Engineering Letters</i> , 2013, 3, 102-108.	2.1	4
75	Modified segmental signal-to-noise ratio reflecting spectral masking effect for evaluating the performance of hearing aid algorithms. <i>Speech Communication</i> , 2013, 55, 1003-1010.	1.6	2
76	The effect of focused ultrasonic stimulation on the activity of hippocampal neurons in multi-channel electrode. , 2013, , .		8
77	Clinical evaluation of the performance of a blind source separation algorithm combining beamforming and independent component analysis in hearing aid use. <i>Speech Communication</i> , 2013, 55, 544-552.	1.6	6
78	The effectiveness of epidural ECoG on brain computer interface in primate. , 2013, , .		1
79	Meaning based covert speech classification for brain-computer interface based on electroencephalography. , 2013, , .		9
80	Development of a speech-distortionless beamformer for two-microphone digital hearing aids. , 2013, , .		0
81	Brain mechanism involved in the real motion interaction with a virtual avatar. <i>Biomedical Engineering Letters</i> , 2012, 2, 164-172.	2.1	3
82	Comparative evaluation of voice activity detectors in single microphone noise reduction algorithms. <i>Biomedical Engineering Letters</i> , 2012, 2, 255-264.	2.1	5
83	A new computerized diagnostic algorithm for quantitative evaluation of binocular misalignment in patients with strabismus. <i>Journal of the Korean Physical Society</i> , 2012, 61, 1114-1119.	0.3	1
84	Auditory brain-computer interfaces (BCIs) and their practical applications. <i>Biomedical Engineering Letters</i> , 2012, 2, 13-17.	2.1	18
85	Sensitivity enhancement of speech perception in noise by sound training: Hearing loss simulation study. <i>Biomedical Engineering Letters</i> , 2011, 1, 137-142.	2.1	6
86	Measurement of Expression Characteristics in Emotional Situations using Virtual Reality. <i>Virtual Reality Conference (VR), Proceedings, IEEE</i> , 2009, , .	0.0	1
87	Effects of nerve growth factor on the organotypic hippocampal slice culture using MEA system. , 2009, , .		0
88	Effect of Proprioception Training of patient with Hemiplegia by Manipulating Visual Feedback using Virtual Reality: The Preliminary results. <i>Virtual Reality Conference (VR), Proceedings, IEEE</i> , 2009, , .	0.0	1
89	Hierarchical Classification of ECG Beat Using Higher Order Statistics and Hermite Model. <i>Journal of Korean Society of Medical Informatics</i> , 2009, 15, 117.	0.3	2
90	Brain mechanisms involved in processing unreal perceptions. <i>NeuroImage</i> , 2008, 43, 793-800.	2.1	11

#	ARTICLE	IF	CITATIONS
91	Controlled Nanofiber Composed of Multi-Wall Carbon Nanotube/Poly(Ethylene Oxide). Journal of Macromolecular Science - Pure and Applied Chemistry, 2006, 43, 785-796.	1.2	14
92	Temperature and pH-response swelling behavior of poly(2-ethyl-2-oxazoline)/chitosan interpenetrating polymer network hydrogels. Journal of Applied Polymer Science, 2006, 99, 1100-1103.	1.3	12
93	The Study on Classification Method of Obsessive-Compulsive Disorder with Schizotypal Trait using Frontal Lobe Function Test. Journal of Korean Society of Medical Informatics, 2006, 12, 141.	0.3	0
94	The Interchange of Radiological Reports Using Clinical Document Architecture Standards. Journal of Korean Society of Medical Informatics, 2006, 12, 105.	0.3	0
95	Synthesis and characteristics of semi-interpenetrating polymer network hydrogels based on chitosan and poly(hydroxy ethyl methacrylate). Journal of Applied Polymer Science, 2005, 96, 86-92.	1.3	30
96	Synthesis and characteristics of a semi-interpenetrating polymer network based on chitosan/polyaniline under different pH conditions. Journal of Applied Polymer Science, 2005, 96, 867-873.	1.3	57
97	Interindividual reproducibility of glutamate quantification using 1.5-T proton magnetic resonance spectroscopy. Magnetic Resonance in Medicine, 2005, 53, 708-712.	1.9	27
98	Swelling and electroresponsive characteristics of interpenetrating polymer network hydrogels. Polymer International, 2005, 54, 1169-1174.	1.6	14
99	Swelling Characterizations of the Interpenetrating Polymer Network Hydrogels Composed of Polymethacrylic Acid and Alginate. Journal of Macromolecular Science - Pure and Applied Chemistry, 2005, 42, 811-820.	1.2	7
100	Swelling characterization of the semi-interpenetrating polymer network hydrogels composed of chitosan and poly(diallyldimethylammonium chloride). Journal of Applied Polymer Science, 2004, 91, 2876-2880.	1.3	45
101	Thermal characteristics of IPNs composed of poly(propylene glycol) and poly(acrylic acid). Journal of Applied Polymer Science, 2003, 88, 2570-2574.	1.3	2
102	Water and temperature response of semi-IPN hydrogels composed of chitosan and polyacrylonitrile. Journal of Applied Polymer Science, 2003, 88, 2721-2724.	1.3	14
103	Preparation and characterizations of interpenetrating polymer network hydrogels of poly(ethylene Terephthalate)/Overlaid	1.3	14
104	Thermal characteristics of interpenetrating polymer networks composed of poly(vinyl alcohol) and poly(N-isopropylacrylamide). Journal of Applied Polymer Science, 2003, 90, 881-885.	1.3	20
105	Preparation and characteristics of poly(propylene glycol) and poly(acrylic acid) interpenetrating polymer network hydrogels. Journal of Applied Polymer Science, 2003, 90, 1384-1388.	1.3	14
106	Swelling kinetics of modified poly(vinyl alcohol) hydrogels. Journal of Applied Polymer Science, 2003, 90, 3310-3313.	1.3	25
107	Thermal properties of poly(vinyl alcohol)/poly(diallyldimethylammonium chloride) interpenetrating polymer networks. Journal of Applied Polymer Science, 2003, 88, 2719-2719.	1.3	0
108	Thermal Characteristics of Polyelectrolyte Complexes Composed of Chitosan and Hyaluronic Acid. Journal of Macromolecular Science - Pure and Applied Chemistry, 2003, 40, 807-815.	1.2	18

#	ARTICLE	IF	CITATIONS
109	Swelling Kinetics of Interpenetrating Polymer Hydrogels Composed of Poly(Vinyl Alcohol)/Chitosan. Journal of Macromolecular Science - Pure and Applied Chemistry, 2003, 40, 501-510.	1.2	27
110	Characterization of hydrogels based on chitosan and copolymer of poly(dimethylsiloxane) and poly(vinyl alcohol). Journal of Applied Polymer Science, 2002, 84, 2591-2596.	1.3	30
111	Swollen behavior of crosslinked network hydrogels based on poly(vinyl alcohol) and polydimethylsiloxane. Journal of Applied Polymer Science, 2002, 85, 957-964.	1.3	28
112	pH- and thermal characteristics of graft hydrogels based on chitosan and poly(dimethylsiloxane). Journal of Applied Polymer Science, 2002, 85, 2661-2666.	1.3	36
113	Thermal characteristics of poly(vinyl alcohol) and poly(vinylpyrrolidone) IPNs. Journal of Applied Polymer Science, 2002, 86, 1844-1847.	1.3	57
114	Electric stimuli responses to poly(vinyl alcohol)/chitosan interpenetrating polymer network hydrogel in NaCl solutions. Journal of Applied Polymer Science, 2002, 86, 2285-2289.	1.3	88
115	Changes in dead space/tidal volume ratio and pulmonary mechanics after surfactant replacement therapy in respiratory distress syndrome of the newborn infants. Journal of Korean Medical Science, 2001, 16, 51.	1.1	7
116	Grey matter abnormalities in obsessive-compulsive disorder. British Journal of Psychiatry, 2001, 179, 330-334.	1.7	212
117	A study for watermark methods appropriate to medical images. Journal of Digital Imaging, 2001, 14, 184-186.	1.6	8
118	Real-time volume rendering of four-dimensional images based on three-dimensional texture mapping. Journal of Digital Imaging, 2001, 14, 202-204.	1.6	2
119	Adaptable fuzzy C-Means for improved classification as a preprocessing procedure of brain parcellation. Journal of Digital Imaging, 2001, 14, 238-240.	1.6	21
120	Characterization of smart hydrogels for biometric sensors and actuators. , 0, , .		1
121	An efficient adaptive feedback cancellation for hearing aids. , 0, , .		4