

# Keehoon Kim

## List of Publications by Year in descending order

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31  
papers

771  
citations

1040056

9  
h-index

996975

15  
g-index

31  
all docs

31  
docs citations

31  
times ranked

916  
citing authors

#	ARTICLE	IF	CITATIONS
1	A review of haptic feedback through peripheral nerve stimulation for upper extremity prosthetics. <i>Current Opinion in Biomedical Engineering</i> , 2022, 21, 100368.	3.4	11
2	Improvements in hand functions and changes in proximal muscle activities in myoelectric prosthetic hand users at home: a case series. <i>Prosthetics and Orthotics International</i> , 2022, Publish Ahead of Print, .	1.0	0
3	A Novel Technique to Reject Artifact Components for Surface EMG Signals Recorded During Walking With Transcutaneous Spinal Cord Stimulation: A Pilot Study. <i>Frontiers in Human Neuroscience</i> , 2021, 15, 660583.	2.0	7
4	One-step Implantation of a 3D Neural Microelectrode Array. , 2020, 2020, 3379-3383.		1
5	Subject-Independent sEMG Pattern Recognition by Using a Muscle Source Activation Model. <i>IEEE Robotics and Automation Letters</i> , 2020, 5, 5175-5180.	5.1	14
6	Compact and Lightweight End-Effectors to Drive Hand-Operated Surgical Instruments for Robot-Assisted Microsurgery. <i>IEEE/ASME Transactions on Mechatronics</i> , 2020, 25, 1933-1943.	5.8	11
7	A Tele-Operated Microsurgical Forceps-Driver With a Variable Stiffness Haptic Feedback Master Device. <i>IEEE Robotics and Automation Letters</i> , 2020, 5, 1946-1953.	5.1	11
8	On the Design of a Novel Underactuated Robotic Finger Prosthesis for Partial Hand Amputation. , 2019, 2019, 861-867.		7
9	Preliminary Study of Virtual sEMG Signal-Assisted Classification. , 2019, 2019, 1133-1138.		3
10	HaptiCube: a Compact 5-DoF Finger-wearable Tactile Interface. , 2019, , .		1
11	Real-Time Mapping of Sensed Textures into Vibrotactile Signals for Sensory Substitution. <i>Lecture Notes in Electrical Engineering</i> , 2019, , 116-120.	0.4	0
12	Training-Free sEMG Pattern Recognition Algorithm: A Case Study of A Patient with Partial-Hand Amputation. <i>The Journal of Korea Robotics Society</i> , 2019, 14, 211-220.	0.4	0
13	Simple and Fast Compensation of sEMG Interface Rotation for Robust Hand Motion Recognition. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2018, 26, 2397-2406.	4.9	32
14	Handheld Nerve Electrode Insertion Tool. <i>IEEE/ASME Transactions on Mechatronics</i> , 2018, 23, 2525-2530.	5.8	3
15	On the design of a miniature haptic ring for cutaneous force feedback using shape memory alloy actuators. <i>Smart Materials and Structures</i> , 2017, 26, 105002.	3.5	19
16	On the design of the 5-DoF finger-wearable cutaneous haptic device. , 2017, , .		7
17	Reply to letter: The association of postural sensory deficit with freezing of gait in Parkinsonâ€™s disease. <i>Parkinsonism and Related Disorders</i> , 2016, 31, 141-142.	2.2	1
18	A preliminary study on the method for stable and reliable implantation of neural interfaces into peripheral nervous system. , 2016, , .		2

#	ARTICLE	IF	CITATIONS
19	Postural sensory correlates of freezing of gait in Parkinson's disease. Parkinsonism and Related Disorders, 2016, 25, 72-77.	2.2	27
20	Haptic Feedback Enhances Grip Force Control of sEMG-Controlled Prosthetic Hands in Targeted Reinnervation Amputees. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2012, 20, 798-805.	4.9	118
21	Robotic touch shifts perception of embodiment to a prosthesis in targeted reinnervation amputees. Brain, 2011, 134, 747-758.	7.6	366
22	Restriction Space Projection method for position sensor based force reflection of multi degrees-of-freedom bilateral teleoperation systems in unstructured environments. , 2010, , .		0
23	On the Design of Miniature Haptic Devices for Upper Extremity Prosthetics. IEEE/ASME Transactions on Mechatronics, 2010, 15, 27-39.	5.8	81
24	Description of Instantaneous Restriction Space for Multi-DOFs Bilateral Teleoperation Systems Using Position Sensors in Unstructured Environments. IEEE Transactions on Robotics, 2009, 25, 1150-1158.	10.3	10
25	On the Design of a Thermal Display for Upper Extremity Prosthetics. , 2008, , .		5
26	A Miniature Tactor Design for Upper Extremity Prosthesis. , 2007, , .		5
27	Accurate force reflection method for a multi-d.o.f. haptic interface using instantaneous restriction space without a force sensor in an unstructured environment. Advanced Robotics, 2007, 21, 87-104.	1.8	4
28	A Pilot Study of a Thermal Display Using a Miniature Tactor for Upper Extremity Prosthesis. , 2007, , .		3
29	A Framework for Quantitative Comparison of Bilateral Teleoperation Systems Using $\mu$ -Synthesis. , 2007, , .		2
30	Quantitative Comparison of Bilateral Teleoperation Systems Using $\mu$ -Synthesis. , 2007, 23, 776-789.		20
31	Quantitative Comparison of Bilateral Teleoperation Systems with Various Drive Mechanisms and Sensory Configurations. , 2006, , .		0