James M Gilbert

List of Publications by Year
in descending order

13 papers	487 citations	1478505 6 h-index	1474206 9 g-index
13 all docs	13 docs citations	13 times ranked	475 citing authors

#	Article	IF	Citations
1	Detection of nitrous oxide using infrared optical plasmonics coupled with carbon nanotubes. Nanoscale Advances, 2020, 2, 4615-4626.	4.6	4
2	Nonlinear Modeling and Verification of a Heaving Point Absorber for Wave Energy Conversion. IEEE Transactions on Sustainable Energy, 2018, 9, 453-461.	8.8	44
3	Restoring speech following total removal of the larynx by a learned transformation from sensor data to acoustics. Journal of the Acoustical Society of America, 2017, 141, EL307-EL313.	1.1	10
4	Direct Speech Reconstruction From Articulatory Sensor Data by Machine Learning. IEEE/ACM Transactions on Audio Speech and Language Processing, 2017, 25, 2362-2374.	5.8	42
5	Restoring Speech Following Total Removal of the Larynx. Studies in Health Technology and Informatics, 2017, 242, 314-321.	0.3	0
6	A silent speech system based on permanent magnet articulography and direct synthesis. Computer Speech and Language, 2016, 39, 67-87.	4.3	39
7	A User-centric Design of Permanent Magnetic Articulography based Assistive Speech Technology. , 2015, , .		2
8	Small-vocabulary speech recognition using a silent speech interface based on magnetic sensing. Speech Communication, 2013, 55, 22-32.	2.8	52
9	Comparison of energy harvesting systems for wireless sensor networks. International Journal of Automation and Computing, 2008, 5, 334-347.	4.5	269
10	Design of electronic systems based on functional capability. Quality and Reliability Engineering International, 2008, 24, 3-21.	2.3	1
11	Gyrobot: Control of Multiple Degree of Freedom Underactuated Mechanisms Using a Gyrating Link and Cyclic Braking. , 2007, 23, 822-827.		8
12	Circuit Design Optimization Based on Quality Cost Estimation. Quality and Reliability Engineering International, 2005, 21, 367-386.	2.3	6
13	Evaluation of a Silent Speech Interface Based on Magnetic Sensing and Deep Learning for a Phonetically Rich Vocabulary. , 0, , .		10