Hyung-Gi Byun

List of Publications by Year in Descending Order

19 papers	**415** citations	**9** h-index	**20** g-index
26 ext. papers	**525** ext. citations	**5.5** avg, IF	**3.64** L-index

#	Paper	IF	Citations
19	Tailored Graphene Micropatterns by Wafer-Scale Direct Transfer for Flexible Chemical Sensor Platform. *Advanced Materials*, **2021**, 33, e2004827	24	20
18	Implementation of Complementary Model using Optimal Combination of Hematological Parameters for Sepsis Screening in Patients with Fever. *Scientific Reports*, **2020**, 10, 273	4.9	4
17	Comparative Analysis between Blood Test and Breath Analysis Using Sensors Array for Diabetic Patients. *Proceedings (mdpi)*, **2019**, 14, 22	0.3	3
16	Quasi-QSAR for predicting the cell viability of human lung and skin cells exposed to different metal oxide nanomaterials. *Chemosphere*, **2019**, 217, 243-249	8.4	45
15	Quasi-SMILES-Based Nano-Quantitative Structure-Activity Relationship Model to Predict the Cytotoxicity of Multiwalled Carbon Nanotubes to Human Lung Cells. *Chemical Research in Toxicology*, **2018**, 31, 183-190	4	62
14	Toxicity Classification of Oxide Nanomaterials: Effects of Data Gap Filling and PChem Score-based Screening Approaches. *Scientific Reports*, **2018**, 8, 3141	4.9	30
13	Towards a generalized toxicity prediction model for oxide nanomaterials using integrated data from different sources. *Scientific Reports*, **2018**, 8, 6110	4.9	30
12	Curation of datasets, assessment of their quality and completeness, and nanoSAR classification model development for metallic nanoparticles. *Environmental Science: Nano*, **2018**, 5, 1902-1910	7.1	19
11	p-p Heterojunction of Nickel Oxide-Decorated Cobalt Oxide Nanorods for Enhanced Sensitivity and Selectivity toward Volatile Organic Compounds. *ACS Applied Materials & Interfaces*, **2018**, 10, 1050-1058	9.5	63
10	Sensor array optimization techniques for exhaled breath analysis to discriminate diabetics using an electronic nose. *ETRI Journal*, **2018**, 40, 802-812	1.4	6
9	Investigation of Chemical Sensor Array Optimization Methods for DADSS. *Journal of Sensor Science and Technology*, **2016**, 25, 13-19	0.3	1
8	Monitoring of disease-related volatile organic compounds in simulated room air **2014**,		2
7	Chemical Sensors Array Optimization Based on Wilks Lamda Technique. *Journal of Sensor Science and Technology*, **2014**, 23, 299-304	0.3	3
6	Blind signal processing for impulsive noise channels. *Journal of Communications and Networks*, **2012**, 14, 27-33	4.1	10
5	Implementation of olfactory interaction between images and smells **2012**,		2
4	A Proposal Representation, Digital Coding and Clustering of Odor Information **2006**,		5
3	On Training Neural Network Algorithms for Odor Identification for Future Multimedia Communication Systems **2006**,		1

List of Publications

2	Sensing characteristics of nano-network structure of polypyrrole for volatile organic compounds (VOCs) gases **2006**,		1
1	Analysis of diabetic patients' breath with conducting polymer sensor array. *Sensors and Actuators B: Chemical*, **2005**, 108, 305-308	8.5	107