

# Ghulam Hussain

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

13  
papers

171  
citations

9  
h-index

13  
g-index

13  
ext. papers

220  
ext. citations

5.3  
avg, IF

3.51  
L-index

#	Paper	IF	Citations
13	Fast responding hydrogen gas sensors using platinum nanoparticle modified microchannels and ionic liquids. <i>Analytica Chimica Acta</i> , <b>2019</b> , 1072, 35-45	6.6	23
12	Charge generation in low-polarity solvents: poly(ionic liquid)-functionalized particles. <i>Langmuir</i> , <b>2013</b> , 29, 4204-13	4	23
11	Detection of sub-ppm Concentrations of Ammonia in an Ionic Liquid: Enhanced Current Density Using "Filled" Recessed Microarrays. <i>Analytical Chemistry</i> , <b>2016</b> , 88, 12453-12460	7.8	21
10	Comparison of Voltammetric Techniques for Ammonia Sensing in Ionic Liquids. <i>Electroanalysis</i> , <b>2018</b> , 30, 75-83	3	19
9	How cations determine the interfacial potential profile: Relevance for the CO <sub>2</sub> reduction reaction. <i>Electrochimica Acta</i> , <b>2019</b> , 327, 135055	6.7	17
8	Screen-Printed Graphite Electrodes as Low-Cost Devices for Oxygen Gas Detection in Room-Temperature Ionic Liquids. <i>Sensors</i> , <b>2017</b> , 17,	3.8	12
7	Electrodeposited Metal Organic Framework toward Excellent Hydrogen Sensing in an Ionic Liquid. <i>ACS Applied Nano Materials</i> , <b>2020</b> , 3, 4376-4385	5.6	11
6	Preparation of platinum-based cauliflower microarrays for enhanced ammonia gas sensing. <i>Analytica Chimica Acta</i> , <b>2019</b> , 1048, 12-21	6.6	11
5	Thin films of poly(vinylidene fluoride-co-hexafluoropropylene)-ionic liquid mixtures as amperometric gas sensing materials for oxygen and ammonia. <i>Analyst, The</i> , <b>2020</b> , 145, 1915-1924	5	9
4	Macroporous platinum electrodes for hydrogen oxidation in ionic liquids. <i>Electrochemistry Communications</i> , <b>2018</b> , 86, 43-47	5.1	9
3	Modification of Microelectrode Arrays with High Surface Area Dendritic Platinum 3D Structures: Enhanced Sensitivity for Oxygen Detection in Ionic Liquids. <i>Nanomaterials</i> , <b>2018</b> , 8,	5.4	8
2	Ionic Liquid-based Microchannels for Highly Sensitive and Fast Amperometric Detection of Toxic Gases. <i>Electroanalysis</i> , <b>2019</b> , 31, 66-74	3	7
1	Effect of microelectrode array spacing on the growth of platinum electrodeposits and its implications for oxygen sensing in ionic liquids. <i>Electrochimica Acta</i> , <b>2021</b> , 384, 138412	6.7	1