

# Lok-kun Tsui

## List of Publications by Year in Descending Order

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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.

9  
papers

52  
citations

4  
h-index

7  
g-index

28  
ext. papers

110  
ext. citations

4.2  
avg, IF

2.56  
L-index

#	Paper	IF	Citations
9	High Resolution Aerosol Jet Printed Components with Electrodeposition-Enhanced Conductance. <i>ECS Journal of Solid State Science and Technology</i> , <b>2021</b> , 10, 047001	2	4
8	Combined Mixed Potential Electrochemical Sensors and Artificial Neural Networks for the Quantification and Identification of Methane in Natural Gas Emissions Monitoring. <i>Journal of the Electrochemical Society</i> , <b>2021</b> , 168, 097506	3.9	3
7	IoT-Based Sensor Systems for Intelligence in Transportation, Healthcare and Natural Gas Detection. <i>ECS Transactions</i> , <b>2020</b> , 98, 17-23	1	
6	impedance.py: A Python package for electrochemical impedance analysis. <i>Journal of Open Source Software</i> , <b>2020</b> , 5, 2349	5.2	21
5	Additive manufacturing and characterization of AgI and AgI/Al <sub>2</sub> O <sub>3</sub> composite electrolytes for resistive switching devices. <i>Journal of Applied Physics</i> , <b>2020</b> , 128, 035103	2.5	1
4	Additively manufactured mixed potential electrochemical sensors for NO <sub>x</sub> , C <sub>3</sub> H <sub>8</sub> , and NH <sub>3</sub> detection. <i>Progress in Additive Manufacturing</i> , <b>2019</b> , 4, 13-21	5	4
3	Automatic signal decoding and sensor stability of a 3-electrode mixed-potential sensor for NO <sub>x</sub> /NH <sub>3</sub> quantification. <i>Electrochimica Acta</i> , <b>2018</b> , 283, 141-148	6.7	11
2	Quantitative decoding of the response a ceramic mixed potential sensor array for engine emissions control and diagnostics. <i>Sensors and Actuators B: Chemical</i> , <b>2017</b> , 249, 673-684	8.5	5
1	Characterization of Electrochemical Surface Area and Porosity of Zirconia Sensors. <i>ECS Transactions</i> , <b>2017</b> , 77, 1087-1094	1	1