

# Takeshi Hayasaka

## 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.

21  
papers

587  
citations

10  
h-index

23  
g-index

23  
ext. papers

722  
ext. citations

5.6  
avg, IF

4.13  
L-index

#	Paper	IF	Citations
21	A review on chemiresistive room temperature gas sensors based on metal oxide nanostructures, graphene and 2D transition metal dichalcogenides. <i>Mikrochimica Acta</i> , <b>2018</b> , 185, 213	5.8	350
20	An electronic nose using a single graphene FET and machine learning for water, methanol, and ethanol. <i>Microsystems and Nanoengineering</i> , <b>2020</b> , 6, 50	7.7	49
19	AC phase sensing of graphene FETs for chemical vapors with fast recovery and minimal baseline drift. <i>Sensors and Actuators B: Chemical</i> , <b>2018</b> , 263, 94-102	8.5	39
18	Molybdenum-carbide-graphene composites for paper-based strain and acoustic pressure sensors. <i>Carbon</i> , <b>2020</b> , 157, 594-601	10.4	24
17	All-Carbon Based Flexible Humidity Sensor. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2019</b> , 19, 5310-5316	13.6	21
16	Defect-Induced Gas Adsorption on Graphene Transistors. <i>Advanced Materials Interfaces</i> , <b>2018</b> , 5, 1701640	10.6	20
15	The influences of temperature, humidity, and O <sub>2</sub> on electrical properties of graphene FETs. <i>Sensors and Actuators B: Chemical</i> , <b>2019</b> , 285, 116-122	8.5	20
14	. <i>Journal of Microelectromechanical Systems</i> , <b>2015</b> , 24, 958-967	2.5	12
13	<b>2018</b> ,		11
12	<b>2017</b> ,		10
11	Metallo-Hydrogel-Assisted Synthesis and Direct Writing of Transition Metal Dichalcogenides. <i>Advanced Functional Materials</i> , <b>2019</b> , 29, 1807612	15.6	7
10	<b>2019</b> ,		6
9	A Phase Sensitive Measurement Technique for Boosted Response Speed of Graphene Fet Gas Sensor <b>2017</b> ,		4
8	<b>2019</b> ,		2
7	Influence of chamber design on the gas sensing performance of graphene field-effect-transistor. <i>SN Applied Sciences</i> , <b>2020</b> , 2, 1	1.8	2
6	<b>2019</b> ,		2
5	Integration of diamond microelectrodes on CMOS-based amperometric biosensor array by film transfer technology <b>2014</b> ,		2

4      **2017,**      2

3      Development of buffer layer structure for epitaxial growth of (100)/(001)Pb(Zr,Ti)O<sub>3</sub>-based thin film on (111)Si wafer. *Japanese Journal of Applied Physics*, **2017**, 56, 071501      1.4      2

2      **2019,**      1

1      Annealing Transformation of Diamond-Like Carbon Using Ni Catalyst. *Japanese Journal of Applied Physics*, **2013**, 52, 128005      1.4      1