

Masaaki Shimatani

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/4345422/masaaki-shimatani-publications-by-year.pdf>

Version: 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

18
papers

222
citations

10
h-index

14
g-index

26
ext. papers

302
ext. citations

2.8
avg, IF

3.3
L-index

#	Paper	IF	Citations
18	Turbostratic stacked graphene-based high-responsivity mid-wavelength infrared detector using an enhanced photogating effect. <i>Optical Materials Express</i> , 2022 , 12, 458	2.6	1
17	Graphene-based deep-ultraviolet photodetectors with ultrahigh responsivity using chemical vapor deposition of hexagonal boron nitride to achieve photogating. <i>Optical Materials Express</i> , 2022 , 12, 2090	2.6	3
16	Extraordinary Optical Transmission by Hybrid Phonon-Plasmon Polaritons Using hBN Embedded in Plasmonic Nanoslits. <i>Nanomaterials</i> , 2021 , 11,	5.4	2
15	High-performance graphene/InSb heterojunction photodetectors for high-resolution mid-infrared image sensors. <i>Applied Physics Letters</i> , 2020 , 117, 173102	3.4	16
14	Graphene Plasmonics in Sensor Applications: A Review. <i>Sensors</i> , 2020 , 20,	3.8	16
13	Photogating for small high-responsivity graphene middle-wavelength infrared photodetectors. <i>Optical Engineering</i> , 2020 , 59, 1	1.1	7
12	Carrier density modulation and photocarrier transportation of graphene/InSb heterojunction middle-wavelength infrared photodetectors. <i>Optical Engineering</i> , 2020 , 59,	1.1	3
11	Enhanced photogating via pyroelectric effect induced by insulator layer for high-responsivity long-wavelength infrared graphene-based photodetectors operating at room temperature. <i>Applied Physics Express</i> , 2019 , 12, 025001	2.4	16
10	Broadband photoresponse of graphene photodetector from visible to long-wavelength infrared wavelengths. <i>Optical Engineering</i> , 2019 , 58, 1	1.1	7
9	Low dark current and high-responsivity graphene mid-infrared photodetectors using amplification of injected photo-carriers by photo-gating. <i>Optics Letters</i> , 2019 , 44, 2598-2601	3	10
8	High-responsivity turbostratic stacked graphene photodetectors using enhanced photogating. <i>Applied Physics Express</i> , 2019 , 12, 122010	2.4	9
7	Graphene Surface Acoustic Wave Sensor for Simultaneous Detection of Charge and Mass. <i>ACS Sensors</i> , 2018 , 3, 200-204	9.2	31
6	Graphene on metal-insulator-metal-based plasmonic metamaterials at infrared wavelengths. <i>Optics Express</i> , 2018 , 26, 5665-5674	3.3	23
5	High responsivity middle-wavelength infrared graphene photodetectors using photo-gating. <i>Applied Physics Letters</i> , 2018 , 113, 061102	3.4	22
4	Broadband photoresponse of graphene photodetector from visible to long-wavelength infrared wavelengths 2018 ,		4
3	Photocurrent enhancement of graphene phototransistors using p \bar{n} junction formed by conventional photolithography process. <i>Japanese Journal of Applied Physics</i> , 2016 , 55, 110307	1.4	14
2	Giant Dirac point shift of graphene phototransistors by doped silicon substrate current. <i>AIP Advances</i> , 2016 , 6, 035113	1.5	21

- 1 Acoustic carrier transportation induced by surface acoustic waves in graphene in solution. *Applied Physics Express*, **2016**, 9, 045104 2.4 14