

# Makoto Takamura

## List of Publications by Citations

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37  
papers

347  
citations

11  
h-index

17  
g-index

37  
ext. papers

397  
ext. citations

3.3  
avg, IF

3.12  
L-index

#	Paper	IF	Citations
37	Hydrogen storage with titanium-functionalized graphene. <i>Applied Physics Letters</i> , <b>2013</b> , 103, 013903	3.4	47
36	Quantum Hall Effect and Carrier Scattering in Quasi-Free-Standing Monolayer Graphene. <i>Applied Physics Express</i> , <b>2012</b> , 5, 125101	2.4	23
35	Graphene FRET Aptasensor. <i>ACS Sensors</i> , <b>2016</b> , 1, 710-716	9.2	23
34	Graphene-modified interdigitated array electrode: fabrication, characterization, and electrochemical immunoassay application. <i>Analytical Sciences</i> , <b>2013</b> , 29, 55-60	1.7	22
33	Structural Instability of Transferred Graphene Grown by Chemical Vapor Deposition against Heating. <i>Journal of Physical Chemistry C</i> , <b>2013</b> , 117, 22123-22130	3.8	21
32	Correlation between morphology and transport properties of quasi-free-standing monolayer graphene. <i>Applied Physics Letters</i> , <b>2014</b> , 105, 221604	3.4	18
31	Effects of hydrogen intercalation on transport properties of quasi-free-standing monolayer graphene. <i>Japanese Journal of Applied Physics</i> , <b>2014</b> , 53, 04EN01	1.4	16
30	Selective charge doping of chemical vapor deposition-grown graphene by interface modification. <i>Applied Physics Letters</i> , <b>2013</b> , 103, 253116	3.4	14
29	Tuning of quantum interference in top-gated graphene on SiC. <i>Physical Review B</i> , <b>2013</b> , 88,	3.3	14
28	Two-dimensional vortex-pinning phenomena in YBa <sub>2</sub> Cu <sub>3</sub> O <sub>y</sub> films. <i>Applied Physics Letters</i> , <b>2008</b> , 92, 132502	3.4	14
27	Atomic and electronic structure of Si dangling bonds in quasi-free-standing monolayer graphene. <i>Nano Research</i> , <b>2018</b> , 11, 864-873	10	12
26	Effects of environmental conditions on the ultrafast carrier dynamics in graphene revealed by terahertz spectroscopy. <i>Physical Review B</i> , <b>2017</b> , 95,	3.3	11
25	Epitaxial Trilayer Graphene Mechanical Resonators Obtained by Electrochemical Etching Combined with Hydrogen Intercalation. <i>Japanese Journal of Applied Physics</i> , <b>2013</b> , 52, 04CH01	1.4	11
24	Self-Folded Three-Dimensional Graphene with a Tunable Shape and Conductivity. <i>Nano Letters</i> , <b>2019</b> , 19, 461-470	11.5	9
23	Energy dissipation in edged and edgeless graphene mechanical resonators. <i>Journal of Applied Physics</i> , <b>2014</b> , 116, 064304	2.5	8
22	Energy Dissipation in Graphene Mechanical Resonators with and without Free Edges. <i>Micromachines</i> , <b>2016</b> , 7,	3.3	8
21	Plasmon Control Driven by Spatial Carrier Density Modulation in Graphene. <i>ACS Photonics</i> , <b>2019</b> , 6, 947-952	3.3	7

20	Microstructures of REBa <sub>2</sub> Cu <sub>3</sub> O <sub>y</sub> films containing artificial pinning centers of various dimensions. <i>Physica C: Superconductivity and Its Applications</i> , <b>2009</b> , 469, 1374-1379	1.3	7
19	A new approach to a two-dimensional artificial pinning center. <i>Physica C: Superconductivity and Its Applications</i> , <b>2007</b> , 463-465, 904-908	1.3	7
18	Unraveling localized states in quasi free standing monolayer graphene by means of Density Functional Theory. <i>Carbon</i> , <b>2018</b> , 130, 466-474	10.4	6
17	Direct growth of graphene on SiC(0001) by KrF-excimer-laser irradiation. <i>Applied Physics Letters</i> , <b>2016</b> , 108, 093107	3.4	6
16	Bilayer-induced asymmetric quantum Hall effect in epitaxial graphene. <i>Semiconductor Science and Technology</i> , <b>2015</b> , 30, 055007	1.8	5
15	Matching field effects in c-axis in-plane aligned a-axis-oriented YBa <sub>2</sub> Cu <sub>3</sub> O <sub>y</sub> films with two-dimensional artificial pinning centers induced by multilayered nano-structures. <i>Superconductor Science and Technology</i> , <b>2010</b> , 23, 045023	3.1	5
14	Electrical transport properties of Y123 films with 2-D apcs. <i>Physica C: Superconductivity and Its Applications</i> , <b>2008</b> , 468, 1851-1853	1.3	5
13	Active spatial control of terahertz plasmons in graphene. <i>Communications Materials</i> , <b>2020</b> , 1,	6	4
12	Transmission, reflection, and absorption spectroscopy of graphene microribbons in the terahertz region. <i>Japanese Journal of Applied Physics</i> , <b>2016</b> , 55, 06GF08	1.4	4
11	Effects of UV light intensity on electrochemical wet etching of SiC for the fabrication of suspended graphene. <i>Japanese Journal of Applied Physics</i> , <b>2015</b> , 54, 036502	1.4	3
10	Self organization of a hexagonal network of quasi-free-standing monolayer graphene nanoribbons. <i>Physical Review B</i> , <b>2013</b> , 87,	3.3	3
9	Effects of the APC materials on c-axis correlated pinning effects in a-axis oriented Y123/2D APC multilayer films. <i>Physica C: Superconductivity and Its Applications</i> , <b>2009</b> , 469, 1545-1549	1.3	3
8	Plasmon confinement by carrier density modulation in graphene. <i>Japanese Journal of Applied Physics</i> , <b>2018</b> , 57, 110307	1.4	3
7	Fabrication and characteristics of artificial SNS junctions using three axes orientation-controlled a-axis oriented Y123/Pr123 multilayer films. <i>Journal of Physics: Conference Series</i> , <b>2010</b> , 234, 012044	0.3	2
6	Applying strain into graphene by SU-8 resist shrinkage. <i>Journal Physics D: Applied Physics</i> , <b>2016</b> , 49, 285303	0.3	2
5	Nanoscale evaluation of the number of layers of hexagonal boron nitride by scattering-type scanning near-field optical microscopy. <i>Japanese Journal of Applied Physics</i> , <b>2021</b> , 60, SBBH15	1.4	2
4	Vortex Behaviors Near Irreversibility Fields of a-axis Oriented Y123 Films Inserted Pr123 Layers. <i>IEEE Transactions on Applied Superconductivity</i> , <b>2009</b> , 19, 3499-3502	1.8	1
3	Scanning probe analysis of twisted graphene grown on a graphene/silicon carbide template.. <i>Nanotechnology</i> , <b>2021</b> ,	3.4	1

- 2 Very Gradual and Anomalous Oxidation at the Interface of Hydrogen-Intercalated Graphene/4H-SiC(0001). *Journal of Physical Chemistry C*, **2017**, 121, 26389-26396 3.8 0
- 1 A novel 2-dimensional artificial pinning center. *Journal of Physics: Conference Series*, **2008**, 97, 012153 0.3