Makoto Takamura

List of Publications by Year in Descending Order

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	Scanning probe analysis of twisted graphene grown on a graphene/silicon carbide template.. *Nanotechnology*, **2021**,	3.4	1
36	Nanoscale evaluation of the number of layers of hexagonal boron nitride by scattering-type scanning near-field optical microscopy. *Japanese Journal of Applied Physics*, **2021**, 60, SBBH15	1.4	2
35	Active spatial control of terahertz plasmons in graphene. *Communications Materials*, **2020**, 1,	6	4
34	Plasmon Control Driven by Spatial Carrier Density Modulation in Graphene. *ACS Photonics*, **2019**, 6, 947-953	6.5	7
33	Self-Folded Three-Dimensional Graphene with a Tunable Shape and Conductivity. *Nano Letters*, **2019**, 19, 461-470	11.5	9
32	Unraveling localized states in quasi free standing monolayer graphene by means of Density Functional Theory. *Carbon*, **2018**, 130, 466-474	10.4	6
31	Atomic and electronic structure of Si dangling bonds in quasi-free-standing monolayer graphene. *Nano Research*, **2018**, 11, 864-873	10	12
30	Plasmon confinement by carrier density modulation in graphene. *Japanese Journal of Applied Physics*, **2018**, 57, 110307	1.4	3
29	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
28	Effects of environmental conditions on the ultrafast carrier dynamics in graphene revealed by terahertz spectroscopy. *Physical Review B*, **2017**, 95,	3.3	11
27	Transmission, reflection, and absorption spectroscopy of graphene microribbons in the terahertz region. *Japanese Journal of Applied Physics*, **2016**, 55, 06GF08	1.4	4
26	Energy Dissipation in Graphene Mechanical Resonators with and without Free Edges. *Micromachines*, **2016**, 7,	3.3	8
25	Direct growth of graphene on SiC(0001) by KrF-excimer-laser irradiation. *Applied Physics Letters*, **2016**, 108, 093107	3.4	6
24	Applying strain into graphene by SU-8 resist shrinkage. *Journal Physics D: Applied Physics*, **2016**, 49, 285303	3	2
23	Graphene FRET Aptasensor. *ACS Sensors*, **2016**, 1, 710-716	9.2	23
22	Bilayer-induced asymmetric quantum Hall effect in epitaxial graphene. *Semiconductor Science and Technology*, **2015**, 30, 055007	1.8	5
21	Effects of UV light intensity on electrochemical wet etching of SiC for the fabrication of suspended graphene. *Japanese Journal of Applied Physics*, **2015**, 54, 036502	1.4	3

20	Correlation between morphology and transport properties of quasi-free-standing monolayer graphene. *Applied Physics Letters*, **2014**, 105, 221604	3.4	18
19	Energy dissipation in edged and edgeless graphene mechanical resonators. *Journal of Applied Physics*, **2014**, 116, 064304	2.5	8
18	Effects of hydrogen intercalation on transport properties of quasi-free-standing monolayer graphene. *Japanese Journal of Applied Physics*, **2014**, 53, 04EN01	1.4	16
17	Hydrogen storage with titanium-functionalized graphene. *Applied Physics Letters*, **2013**, 103, 013903	3.4	47
16	Structural Instability of Transferred Graphene Grown by Chemical Vapor Deposition against Heating. *Journal of Physical Chemistry C*, **2013**, 117, 22123-22130	3.8	21
15	Epitaxial Trilayer Graphene Mechanical Resonators Obtained by Electrochemical Etching Combined with Hydrogen Intercalation. *Japanese Journal of Applied Physics*, **2013**, 52, 04CH01	1.4	11
14	Self organization of a hexagonal network of quasi-free-standing monolayer graphene nanoribbons. *Physical Review B*, **2013**, 87,	3.3	3
13	Selective charge doping of chemical vapor deposition-grown graphene by interface modification. *Applied Physics Letters*, **2013**, 103, 253116	3.4	14
12	Tuning of quantum interference in top-gated graphene on SiC. *Physical Review B*, **2013**, 88,	3.3	14
11	Graphene-modified interdigitated array electrode: fabrication, characterization, and electrochemical immunoassay application. *Analytical Sciences*, **2013**, 29, 55-60	1.7	22
10	Quantum Hall Effect and Carrier Scattering in Quasi-Free-Standing Monolayer Graphene. *Applied Physics Express*, **2012**, 5, 125101	2.4	23
9	Matching field effects inc-axis in-plane aligneda-axis-oriented YBa2Cu3Oyfilms with two-dimensional artificial pinning centers induced by multilayered nano-structures. *Superconductor Science and Technology*, **2010**, 23, 045023	3.1	5
8	Fabrication and characteristics of artificial SNS junctions using three axes orientation-controlled□axis oriented Y123/Pr123 multilayer films. *Journal of Physics: Conference Series*, **2010**, 234, 012044	0.3	2
7	Microstructures of REBa2Cu3Oy films containing artificial pinning centers of various dimensions. *Physica C: Superconductivity and Its Applications*, **2009**, 469, 1374-1379	1.3	7
6	Effects of the APC materials on c-axis correlated pinning effects in a-axis oriented Y123/2D APC multilayer films. *Physica C: Superconductivity and Its Applications*, **2009**, 469, 1545-1549	1.3	3
5	Vortex Behaviors Near Irreversibility Fields of a-Axis Oriented Y123 Films Inserted Pr123 Layers. *IEEE Transactions on Applied Superconductivity*, **2009**, 19, 3499-3502	1.8	1
4	Two-dimensional vortex-pinning phenomena in YBa2Cu3Oy films. *Applied Physics Letters*, **2008**, 92, 132502	3.4	14
3	A novel 2-dimensional artificial pinning center. *Journal of Physics: Conference Series*, **2008**, 97, 012153	0.3	

2	Electrical transport properties of Y123 films with 2-D apcs. *Physica C: Superconductivity and Its Applications*, **2008**, 468, 1851-1853	1.3	5
1	A new approach to a two-dimensional artificial pinning center. *Physica C: Superconductivity and Its Applications*, **2007**, 463-465, 904-908	1.3	7