

Ravi Shankar Sundaram

List of Publications by Citations

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24
papers

3,552
citations

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h-index

25
g-index

25
ext. papers

3,856
ext. citations

11
avg, IF

4.8
L-index

#	Paper	IF	Citations
24	Atomic structure of reduced graphene oxide. <i>Nano Letters</i> , 2010 , 10, 1144-8	11.5	943
23	Electroluminescence in single layer MoS ₂ . <i>Nano Letters</i> , 2013 , 13, 1416-21	11.5	787
22	Electrical conduction mechanism in chemically derived graphene monolayers. <i>Nano Letters</i> , 2009 , 9, 1787-93	11.5	293
21	Electrochemical Modification of Graphene. <i>Advanced Materials</i> , 2008 , 20, 3050-3053	24	257
20	Electronic properties and atomic structure of graphene oxide membranes. <i>Carbon</i> , 2011 , 49, 966-972	10.4	190
19	Chemical Vapor Deposition Repair of Graphene Oxide: A Route to Highly-Conductive Graphene Monolayers. <i>Advanced Materials</i> , 2009 , 21, 4683-4686	24	189
18	Controlling subnanometer gaps in plasmonic dimers using graphene. <i>Nano Letters</i> , 2013 , 13, 5033-8	11.5	179
17	2 Th solid-state laser mode-locked by single-layer graphene. <i>Applied Physics Letters</i> , 2013 , 102, 013113	3.4	101
16	Ultrafast and widely tuneable vertical-external-cavity surface-emitting laser, mode-locked by a graphene-integrated distributed Bragg reflector. <i>Optics Express</i> , 2013 , 21, 31548-59	3.3	91
15	The graphene-gold interface and its implications for nanoelectronics. <i>Nano Letters</i> , 2011 , 11, 3833-7	11.5	90
14	Graphene nanoribbon blends with P3HT for organic electronics. <i>Nanoscale</i> , 2014 , 6, 6301-14	7.7	73
13	Low-temperature plasma-enhanced atomic layer deposition of 2-D MoS: large area, thickness control and tuneable morphology. <i>Nanoscale</i> , 2018 , 10, 8615-8627	7.7	63
12	Graphene Monolayers: Chemical Vapor Deposition Repair of Graphene Oxide: A Route to Highly-Conductive Graphene Monolayers (Adv. Mater. 46/2009). <i>Advanced Materials</i> , 2009 , 21, n/a-n/a	24	63
11	Raman and photocurrent imaging of electrical stress-induced p-n junctions in graphene. <i>ACS Nano</i> , 2011 , 5, 5848-54	16.7	59
10	Realization of Vertically Aligned, Ultrahigh Aspect Ratio InAsSb Nanowires on Graphite. <i>Nano Letters</i> , 2015 , 15, 4348-55	11.5	35
9	Self-assembled electrical biodetector based on reduced graphene oxide. <i>ACS Nano</i> , 2012 , 6, 5514-20	16.7	35
8	Uniformly dispersed deposition of colloidal nanoparticles and nanowires by boiling. <i>Applied Physics Letters</i> , 2007 , 91, 173112	3.4	27

7	Spatially resolved electrostatic potential and photocurrent generation in carbon nanotube array devices. <i>ACS Nano</i> , 2012 , 6, 7303-10	16.7	24
6	A Raman metrology approach to quality control of 2D MoS ₂ film fabrication. <i>Journal Physics D: Applied Physics</i> , 2017 , 50, 184005	3	19
5	Noninvasive metal contacts in chemically derived graphene devices. <i>Applied Physics Letters</i> , 2009 , 95, 223507	3.4	16
4	Synthesis and characterization of nanocrystalline dysprosia stabilized zirconia based electrolyte for intermediate-temperature solid oxide fuel cell. <i>Journal of Alloys and Compounds</i> , 2009 , 475, 587-591	5.7	8
3	Chemically derived graphene 2014 , 50-80		6
2	Plasma-Enhanced Atomic Layer Deposition of Al ₂ O ₃ on Graphene Using Monolayer hBN as Interfacial Layer. <i>Advanced Materials Technologies</i> , 2021 , 6, 2100489	6.8	3
1	Graphene saturable absorbers for VECSELS 2014 ,		1