

Ravi Shankar Sundaram

List of Publications by Year in descending order

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25
papers

4,083
citations

394421

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docs citations

25
times ranked

8261
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	5.8	7
2	Low-temperature plasma-enhanced atomic layer deposition of 2-D MoS ₂ : large area, thickness control and tuneable morphology. <i>Nanoscale</i> , 2018, 10, 8615-8627.	5.6	90
3	A Raman metrology approach to quality control of 2D MoS ₂ film fabrication. <i>Journal Physics D: Applied Physics</i> , 2017, 50, 184005.	2.8	24
4	Realization of Vertically Aligned, Ultrahigh Aspect Ratio InAsSb Nanowires on Graphite. <i>Nano Letters</i> , 2015, 15, 4348-4355.	9.1	37
5	Graphene modelocked VECSELS. , 2014, , .		1
6	Graphene nanoribbon blends with P3HT for organic electronics. <i>Nanoscale</i> , 2014, 6, 6301-6314.	5.6	85
7	Chemically derived graphene. , 2014, , 50-80.		11
8	Graphene saturable absorbers for VECSELS. <i>Proceedings of SPIE</i> , 2014, , .	0.8	1
9	Controlling Subnanometer Gaps in Plasmonic Dimers Using Graphene. <i>Nano Letters</i> , 2013, 13, 5033-5038.	9.1	210
10	2-µm solid-state laser mode-locked by single-layer graphene. <i>Applied Physics Letters</i> , 2013, 102, 013113.	3.3	120
11	Electroluminescence in Single Layer MoS ₂ . <i>Nano Letters</i> , 2013, 13, 1416-1421.	9.1	905
12	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.	3.4	111
13	Spatially Resolved Electrostatic Potential and Photocurrent Generation in Carbon Nanotube Array Devices. <i>ACS Nano</i> , 2012, 6, 7303-7310.	14.6	25
14	Self-Assembled Electrical Biodetector Based on Reduced Graphene Oxide. <i>ACS Nano</i> , 2012, 6, 5514-5520.	14.6	44
15	Raman and Photocurrent Imaging of Electrical Stress-Induced p-n Junctions in Graphene. <i>ACS Nano</i> , 2011, 5, 5848-5854.	14.6	64
16	The Graphene-Gold Interface and Its Implications for Nanoelectronics. <i>Nano Letters</i> , 2011, 11, 3833-3837.	9.1	101
17	Electronic properties and atomic structure of graphene oxide membranes. <i>Carbon</i> , 2011, 49, 966-972.	10.3	223
18	Atomic Structure of Reduced Graphene Oxide. <i>Nano Letters</i> , 2010, 10, 1144-1148.	9.1	1,076

#	ARTICLE	IF	CITATIONS
19	Noninvasive metal contacts in chemically derived graphene devices. Applied Physics Letters, 2009, 95, 223507.	3.3	16
20	Chemical Vapor Deposition Repair of Graphene Oxide: A Route to Highly-Conductive Graphene Monolayers. Advanced Materials, 2009, 21, 4683-4686.	21.0	223
21	Graphene Monolayers: Chemical Vapor Deposition Repair of Graphene Oxide: A Route to Highly-Conductive Graphene Monolayers (Adv. Mater. 46/2009). Advanced Materials, 2009, 21, n/a-n/a.	21.0	63
22	Synthesis and characterization of nanocrystalline dysprosia stabilized zirconia based electrolyte for intermediate-temperature solid oxide fuel cell. Journal of Alloys and Compounds, 2009, 475, 587-591.	5.5	8
23	Electrical Conduction Mechanism in Chemically Derived Graphene Monolayers. Nano Letters, 2009, 9, 1787-1792.	9.1	328
24	Electrochemical Modification of Graphene. Advanced Materials, 2008, 20, 3050-3053.	21.0	280
25	Uniformly dispersed deposition of colloidal nanoparticles and nanowires by boiling. Applied Physics Letters, 2007, 91, 173112.	3.3	30