

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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23
g-index

25
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25
docs citations

25
times ranked

8261
citing authors

#	ARTICLE	IF	CITATIONS
1	Atomic Structure of Reduced Graphene Oxide. Nano Letters, 2010, 10, 1144-1148.	9.1	1,076
2	Electroluminescence in Single Layer MoS ₂ . Nano Letters, 2013, 13, 1416-1421.	9.1	905
3	Electrical Conduction Mechanism in Chemically Derived Graphene Monolayers. Nano Letters, 2009, 9, 1787-1792.	9.1	328
4	Electrochemical Modification of Graphene. Advanced Materials, 2008, 20, 3050-3053.	21.0	280
5	Chemical Vapor Deposition Repair of Graphene Oxide: A Route to Highly-Conductive Graphene Monolayers. Advanced Materials, 2009, 21, 4683-4686.	21.0	223
6	Electronic properties and atomic structure of graphene oxide membranes. Carbon, 2011, 49, 966-972.	10.3	223
7	Controlling Subnanometer Gaps in Plasmonic Dimers Using Graphene. Nano Letters, 2013, 13, 5033-5038.	9.1	210
8	2-µm solid-state laser mode-locked by single-layer graphene. Applied Physics Letters, 2013, 102, 013113.	3.3	120
9	Ultrafast and widely tuneable vertical-external-cavity surface-emitting laser, mode-locked by a graphene-integrated distributed Bragg reflector. Optics Express, 2013, 21, 31548.	3.4	111
10	The Graphene-Gold Interface and Its Implications for Nanoelectronics. Nano Letters, 2011, 11, 3833-3837.	9.1	101
11	Low-temperature plasma-enhanced atomic layer deposition of 2-D MoS ₂ : large area, thickness control and tuneable morphology. Nanoscale, 2018, 10, 8615-8627.	5.6	90
12	Graphene nanoribbon blends with P3HT for organic electronics. Nanoscale, 2014, 6, 6301-6314.	5.6	85
13	Raman and Photocurrent Imaging of Electrical Stress-Induced p-n Junctions in Graphene. ACS Nano, 2011, 5, 5848-5854.	14.6	64
14	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
15	Self-Assembled Electrical Biodetector Based on Reduced Graphene Oxide. ACS Nano, 2012, 6, 5514-5520.	14.6	44
16	Realization of Vertically Aligned, Ultrahigh Aspect Ratio InAsSb Nanowires on Graphite. Nano Letters, 2015, 15, 4348-4355.	9.1	37
17	Uniformly dispersed deposition of colloidal nanoparticles and nanowires by boiling. Applied Physics Letters, 2007, 91, 173112.	3.3	30
18	Spatially Resolved Electrostatic Potential and Photocurrent Generation in Carbon Nanotube Array Devices. ACS Nano, 2012, 6, 7303-7310.	14.6	25

#	ARTICLE	IF	CITATIONS
19	A Raman metrology approach to quality control of 2D MoS ₂ film fabrication. Journal Physics D: Applied Physics, 2017, 50, 184005.	2.8	24
20	Noninvasive metal contacts in chemically derived graphene devices. Applied Physics Letters, 2009, 95, 223507.	3.3	16
21	Chemically derived graphene. , 2014, , 50-80.		11
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	Plasma-Enhanced Atomic Layer Deposition of Al ₂ O ₃ on Graphene Using Monolayer hBN as Interfacial Layer. Advanced Materials Technologies, 2021, 6, 2100489.	5.8	7
24	Graphene modelocked VECSELS. , 2014, , .		1
25	Graphene saturable absorbers for VECSELS. Proceedings of SPIE, 2014, , .	0.8	1