# Ravi Shankar Sundaram

## List of Publications by Year in Descending Order



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|---|---|---|---|
| 24 papers | 3,552 citations | 19 h-index | 25 g-index |
| 25 ext. papers | 3,856 ext. citations | 11 avg, IF | 4.8 L-index |

| # | Paper | IF | Citations |
|---|---|---|---|
| 24 | Plasma-Enhanced Atomic Layer Deposition of Al2O3 on Graphene Using Monolayer hBN as Interfacial Layer. *Advanced Materials Technologies*, **2021**, 6, 2100489 | 6.8 | 3 |
| 23 | Low-temperature plasma-enhanced atomic layer deposition of 2-D MoS: large area, thickness control and tuneable morphology. *Nanoscale*, **2018**, 10, 8615-8627 | 7.7 | 63 |
| 22 | A Raman metrology approach to quality control of 2D MoS2film fabrication. *Journal Physics D: Applied Physics*, **2017**, 50, 184005 | 3 | 19 |
| 21 | Realization of Vertically Aligned, Ultrahigh Aspect Ratio InAsSb Nanowires on Graphite. *Nano Letters*, **2015**, 15, 4348-55 | 11.5 | 35 |
| 20 | Chemically derived graphene **2014**, 50-80 | | 6 |
| 19 | Graphene saturable absorbers for VECSELs **2014**, | | 1 |
| 18 | Graphene nanoribbon blends with P3HT for organic electronics. *Nanoscale*, **2014**, 6, 6301-14 | 7.7 | 73 |
| 17 | Controlling subnanometer gaps in plasmonic dimers using graphene. *Nano Letters*, **2013**, 13, 5033-8 | 11.5 | 179 |
| 16 | 2 T̈m solid-state laser mode-locked by single-layer graphene. *Applied Physics Letters*, **2013**, 102, 013113 | 3.4 | 101 |
| 15 | Electroluminescence in single layer MoS2. *Nano Letters*, **2013**, 13, 1416-21 | 11.5 | 787 |
| 14 | Ultrafast and widely tuneable vertical-external-cavity surface-emitting laser, mode-locked by a graphene-integrated distributed Bragg reflector. *Optics Express*, **2013**, 21, 31548-59 | 3.3 | 91 |
| 13 | Spatially resolved electrostatic potential and photocurrent generation in carbon nanotube array devices. *ACS Nano*, **2012**, 6, 7303-10 | 16.7 | 24 |
| 12 | Self-assembled electrical biodetector based on reduced graphene oxide. *ACS Nano*, **2012**, 6, 5514-20 | 16.7 | 35 |
| 11 | Raman and photocurrent imaging of electrical stress-induced p-n junctions in graphene. *ACS Nano*, **2011**, 5, 5848-54 | 16.7 | 59 |
| 10 | The graphene-gold interface and its implications for nanoelectronics. *Nano Letters*, **2011**, 11, 3833-7 | 11.5 | 90 |
| 9 | Electronic properties and atomic structure of graphene oxide membranes. *Carbon*, **2011**, 49, 966-972 | 10.4 | 190 |
| 8 | Atomic structure of reduced graphene oxide. *Nano Letters*, **2010**, 10, 1144-8 | 11.5 | 943 |

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| 7 | Noninvasive metal contacts in chemically derived graphene devices. *Applied Physics Letters*, **2009**, 95, 223507 | 3.4 | 16 |
| 6 | Chemical Vapor Deposition Repair of Graphene Oxide: A Route to Highly-Conductive Graphene Monolayers. *Advanced Materials*, **2009**, 21, 4683-4686 | 24 | 189 |
| 5 | 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 | 24 | 63 |
| 4 | 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 | 5.7 | 8 |
| 3 | Electrical conduction mechanism in chemically derived graphene monolayers. *Nano Letters*, **2009**, 9, 1787-92 | 11.5 | 293 |
| 2 | Electrochemical Modification of Graphene. *Advanced Materials*, **2008**, 20, 3050-3053 | 24 | 257 |
| 1 | Uniformly dispersed deposition of colloidal nanoparticles and nanowires by boiling. *Applied Physics Letters*, **2007**, 91, 173112 | 3.4 | 27 |