

Rajesh Kappera

List of Publications by Year in descending order

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15
papers

3,963
citations

933447

10
h-index

1281871

11
g-index

15
all docs

15
docs citations

15
times ranked

8571
citing authors

#	ARTICLE	IF	CITATIONS
1	Phase-engineered low-resistance contacts for ultrathin MoS ₂ transistors. Nature Materials, 2014, 13, 1128-1134.	27.5	1,463
2	The role of electronic coupling between substrate and 2D MoS ₂ nanosheets in electrocatalytic production of hydrogen. Nature Materials, 2016, 15, 1003-1009.	27.5	687
3	Covalent functionalization of monolayered transition metal dichalcogenides by phase engineering. Nature Chemistry, 2015, 7, 45-49.	13.6	637
4	Evolution of the Electronic Band Structure and Efficient Photo-Detection in Atomic Layers of InSe. ACS Nano, 2014, 8, 1263-1272.	14.6	534
5	Axonal Alignment and Enhanced Neuronal Differentiation of Neural Stem Cells on Graphene-Nanoparticle Hybrid Structures. Advanced Materials, 2013, 25, 5477-5482.	21.0	183
6	Efficient hydrogen evolution in transition metal dichalcogenides via a simple one-step hydrazine reaction. Nature Communications, 2016, 7, 11857.	12.8	179
7	Metallic 1T phase source/drain electrodes for field effect transistors from chemical vapor deposited MoS ₂ . APL Materials, 2014, 2, .	5.1	155
8	Spatially Resolved Photoexcited Charge-Carrier Dynamics in Phase-Engineered Monolayer MoS ₂ . ACS Nano, 2015, 9, 840-849.	14.6	58
9	Catalytic Activity in Lithium-Treated Core-Shell MoO ₃ /MoS ₂ Nanowires. Journal of Physical Chemistry C, 2015, 119, 22908-22914.	3.1	30
10	Direct Imaging of Charge Transport in Progressively Reduced Graphene Oxide Using Electrostatic Force Microscopy. ACS Nano, 2015, 9, 2981-2988.	14.6	29
11	Multi-Walled Carbon-Nanotube Based Flexible Piezoelectric Films with Graphene Monolayers. Energy and Environment Focus, 2013, 2, 195-202.	0.3	6
12	Enhanced optical absorption in thin film solar cells by surface plasmons. , 2010, , .		1
13	Nanohole structures for efficiency enhancement in thin film photovoltaics. , 2010, , .		1
14	Large-Scale Deposition of Transparent Conducting Oxides by Hollow Cathode Sputtering. Materials Research Society Symposia Proceedings, 2011, 1323, 35.	0.1	0
15	Bionanotechnology: Axonal Alignment and Enhanced Neuronal Differentiation of Neural Stem Cells on Graphene-Nanoparticle Hybrid Structures (Adv. Mater. 38/2013). Advanced Materials, 2013, 25, 5476-5476.	21.0	0