

# Rajesh Kappera

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8039224/publications.pdf>

Version: 2024-02-01

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