

# Karttikay Moudgil

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10620870/publications.pdf>

Version: 2024-02-01

14  
papers

634  
citations

840776

11  
h-index

996975

15  
g-index

16  
all docs

16  
docs citations

16  
times ranked

1467  
citing authors

#	ARTICLE	IF	CITATIONS
1	Beating the thermodynamic limit with photo-activation of n-doping in organic semiconductors. <i>Nature Materials</i> , 2017, 16, 1209-1215.	27.5	139
2	Heteroannulated acceptors based on benzothiadiazole. <i>Materials Horizons</i> , 2015, 2, 22-36.	12.2	123
3	Controllable, Wide-Ranging n-Doping and p-Doping of Monolayer Group 6 Transition-Metal Disulfides and Diselenides. <i>Advanced Materials</i> , 2018, 30, e1802991.	21.0	97
4	Controlled n-Type Doping of Carbon Nanotube Transistors by an Organorhodium Dimer. <i>Nano Letters</i> , 2016, 16, 4329-4334.	9.1	48
5	High Conductivity in a Nonplanar <i>n</i> -Doped Ambipolar Semiconducting Polymer. <i>Chemistry of Materials</i> , 2017, 29, 9742-9750.	6.7	42
6	Dimers of Nineteen-Electron Sandwich Compounds: Crystal and Electronic Structures, and Comparison of Reducing Strengths. <i>Chemistry - A European Journal</i> , 2014, 20, 15385-15394.	3.3	41
7	Thermo-cross-linkable fullerene for long-term stability of photovoltaic devices. <i>Journal of Materials Chemistry A</i> , 2015, 3, 21856-21863.	10.3	30
8	Effective Work Function Reduction of Practical Electrodes Using an Organometallic Dimer. <i>Advanced Functional Materials</i> , 2016, 26, 2493-2502.	14.9	28
9	Organometallic Dimers: Application to Work-Function Reduction of Conducting Oxides. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 4320-4326.	8.0	25
10	Facile Doping and Work-Function Modification of Few-Layer Graphene Using Molecular Oxidants and Reductants. <i>Advanced Functional Materials</i> , 2017, 27, 1602004.	14.9	25
11	Electron Transport and Nanomorphology in Solution-Processed Polymeric Semiconductor n-Doped with an Air-Stable Organometallic Dimer. <i>Advanced Electronic Materials</i> , 2017, 3, 1600546.	5.1	15
12	Organometallic hydride-transfer agents as reductants for organic semiconductor molecules. <i>Inorganica Chimica Acta</i> , 2019, 489, 67-77.	2.4	8
13	Dimers of Nineteen-Electron Sandwich Compounds: An Electrochemical Study of the Kinetics of Their Formation. <i>Organometallics</i> , 2015, 34, 3706-3712.	2.3	7
14	Synthesis, structures, and reactivity of isomers of [RuCp*(1,4-(Me <sub>2</sub> N) <sub>2</sub> C <sub>6</sub> H <sub>4</sub> )] <sub>2</sub> . <i>Dalton Transactions</i> , 2021, 50, 13020-13030.	3.3	3