

Karttikay Moudgil

List of Publications by Year in descending order

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1467
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#	ARTICLE	IF	CITATIONS
1	Synthesis, structures, and reactivity of isomers of [RuCp*(1,4-(Me ₂ N) ₂ C ₆ H ₄)] ₂ . Dalton Transactions, 2021, 50, 13020-13030.	3.3	3
2	Organometallic hydride-transfer agents as reductants for organic semiconductor molecules. Inorganica Chimica Acta, 2019, 489, 67-77.	2.4	8
3	Controllable, Wide-Ranging n-Doping and p-Doping of Monolayer Group 6 Transition-Metal Disulfides and Diselenides. Advanced Materials, 2018, 30, e1802991.	21.0	97
4	Electron Transport and Nanomorphology in Solution-Processed Polymeric Semiconductor n-Doped with an Air-Stable Organometallic Dimer. Advanced Electronic Materials, 2017, 3, 1600546.	5.1	15
5	Facile Doping and Work-Function Modification of Few-Layer Graphene Using Molecular Oxidants and Reductants. Advanced Functional Materials, 2017, 27, 1602004.	14.9	25
6	High Conductivity in a Nonplanar n-Doped Ambipolar Semiconducting Polymer. Chemistry of Materials, 2017, 29, 9742-9750.	6.7	42
7	Beating the thermodynamic limit with photo-activation of n-doping in organic semiconductors. Nature Materials, 2017, 16, 1209-1215.	27.5	139
8	Effective Work Function Reduction of Practical Electrodes Using an Organometallic Dimer. Advanced Functional Materials, 2016, 26, 2493-2502.	14.9	28
9	Controlled n-Type Doping of Carbon Nanotube Transistors by an Organorhodium Dimer. Nano Letters, 2016, 16, 4329-4334.	9.1	48
10	Organometallic Dimers: Application to Work-Function Reduction of Conducting Oxides. ACS Applied Materials & Interfaces, 2015, 7, 4320-4326.	8.0	25
11	Dimers of Nineteen-Electron Sandwich Compounds: An Electrochemical Study of the Kinetics of Their Formation. Organometallics, 2015, 34, 3706-3712.	2.3	7
12	Thermo-cross-linkable fullerene for long-term stability of photovoltaic devices. Journal of Materials Chemistry A, 2015, 3, 21856-21863.	10.3	30
13	Heteroannulated acceptors based on benzothiadiazole. Materials Horizons, 2015, 2, 22-36.	12.2	123
14	Dimers of Nineteen-Electron Sandwich Compounds: Crystal and Electronic Structures, and Comparison of Reducing Strengths. Chemistry - A European Journal, 2014, 20, 15385-15394.	3.3	41