

Swagat Kumar Mohapatra

List of Publications by Year in descending order

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26
papers

1,301
citations

471509

17
h-index

552781

26
g-index

28
all docs

28
docs citations

28
times ranked

1547
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultralow Doping in Organic Semiconductors: Evidence of Trap Filling. <i>Physical Review Letters</i> , 2012, 109, 176601.	7.8	231
2	n-Doping of Organic Electronic Materials using Air-Stable Organometallics. <i>Advanced Materials</i> , 2012, 24, 699-703.	21.0	163
3	Understanding the Effects of Molecular Dopant on n-Type Organic Thermoelectric Properties. <i>Advanced Energy Materials</i> , 2019, 9, 1900817.	19.5	118
4	Solution doping of organic semiconductors using air-stable n-dopants. <i>Applied Physics Letters</i> , 2012, 100, .	3.3	86
5	Enhanced Charge-Carrier Injection and Collection Via Lamination of Doped Polymer Layers p-Doped with a Solution-Processible Molybdenum Complex. <i>Advanced Functional Materials</i> , 2014, 24, 2197-2204.	14.9	77
6	Production of heavily n- and p-doped CVD graphene with solution-processed redox-active metal-organic species. <i>Materials Horizons</i> , 2014, 1, 111-115.	12.2	67
7	Passivation of trap states in unpurified and purified C60 and the influence on organic field-effect transistor performance. <i>Applied Physics Letters</i> , 2012, 101, .	3.3	65
8	n-Doping of Organic Electronic Materials Using Air-Stable Organometallics: A Mechanistic Study of Reduction by Dimeric Sandwich Compounds. <i>Chemistry - A European Journal</i> , 2012, 18, 14760-14772.	3.3	64
9	Dopant controlled trap-filling and conductivity enhancement in an electron-transport polymer. <i>Applied Physics Letters</i> , 2015, 106, .	3.3	57
10	Reduction of contact resistance by selective contact doping in fullerene n-channel organic field-effect transistors. <i>Applied Physics Letters</i> , 2013, 102, .	3.3	51
11	Selective Lithiation and Phosphane-Functionalization of [($\eta^7\text{-C}_7\text{H}_7$)Ti($\eta^5\text{-C}_5\text{H}_5$)] (Troticene) and Its Use for the Preparation of Early-Late Heterobimetallic Complexes. <i>Journal of the American Chemical Society</i> , 2009, 131, 17014-17023.	13.7	50
12	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
13	Reactivity of an air-stable dihydrobenzimidazole n-dopant with organic semiconductor molecules. <i>CheM</i> , 2021, 7, 1050-1065.	11.7	40
14	Synthesis and Reactivity of Boron-, Silicon-, and Tin-Bridged $\langle i \rangle$ ansa-Cyclopentadienyl-Cycloheptatrienyl Titanium Complexes (Troticenophanes). <i>Chemistry - A European Journal</i> , 2010, 16, 11732-11743.	3.3	39
15	Molecular doping and tuning threshold voltage in 6,13-bis(triisopropylsilylethynyl)pentacene/polymer blend transistors. <i>Applied Physics Letters</i> , 2014, 105, .	3.3	31
16	Synthesis, characterization, and crystal structures of molybdenum complexes of unsymmetrical electron-poor dithiolene ligands. <i>Polyhedron</i> , 2016, 116, 88-95.	2.2	24
17	Covalent Rigid-Rod Organometallic Polymers with Alternating Transition Metal Clusters and Conjugated Spacers in the Main Chain. <i>Organometallics</i> , 2006, 25, 4226-4230.	2.3	19
18	Preparation and characterization of Cp-functionalized cycloheptatrienyl-cyclopentadienyl titanium sandwich complexes (troticenes). <i>Journal of Organometallic Chemistry</i> , 2012, 696, 4281-4292.	1.8	15

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19	Synthesis and characterization of nonamethylrhodocenium and iridocenium hexafluorophosphate salts. <i>Journal of Organometallic Chemistry</i> , 2012, 706-707, 140-143.	1.8	11
20	Organometallic and Organic Dimers: Moderately Air-Stable, Yet Highly Reducing, n-Dopants. <i>Accounts of Chemical Research</i> , 2022, 55, 319-332.	15.6	11
21	Mono- and Dilithiation of [(η -C ₇ H ₇)Ti(η -C ₅ Me ₅)] (Pentamethyltropicene) for the Synthesis of Tropicenyl Monophosphanes and [2]Tropicenophanes with C=P and C=Si Bridges. <i>Organometallics</i> , 2012, 31, 8544-8555.	2.3	10
22	Synthesis, crystal structures, and redox behavior of some pentamethylcyclopentadienyl arene ruthenium salts. <i>Journal of Organometallic Chemistry</i> , 2014, 751, 314-320.	1.8	9
23	Proton Transfer Reactions on Hexanuclear Platinum Clusters: Reversible Heterolytic Cleavage of H ₂ and C-H Activation Affording a Linear, Cluster-Containing Polymer. <i>Chemistry - A European Journal</i> , 2010, 16, 9468-9477.	3.3	8
24	Disentangling Bulk and Interface Phenomena in a Molecularly Doped Polymer Semiconductor. <i>Advanced Optical Materials</i> , 2021, 9, 2002039.	7.3	6
25	Powerful Organic Molecular Oxidants and Reductants Enable Ambipolar Injection in a Large-Gap Organic Homojunction Diode. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 2381-2389.	8.0	5
26	Synthesis and electrochemical characterization of hexanuclear platinum bis-pseudohalides. <i>Dalton Transactions</i> , 2013, 42, 10855.	3.3	3