Damian Nieckarz

List of Publications by Year
in descending order

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27 papers	781 citations	567281 15 h-index	526287 27 g-index

29 all docs	29 docs citations	29 times ranked	857 citing authors

#	Article	IF	Citations
1	Monte Carlo simulations of the self-assembly of hierarchically organized metal-organic networks on solid surfaces. Surface Science, 2022, 719, 122041.	1.9	10
2	Monte Carlo Simulations of the Metal-Directed Self-Assembly of Y-Shaped Positional Isomers. Crystals, 2022, 12, 492.	2.2	6
3	Theoretical Modeling of the Surfaceâ€Guided Selfâ€Assembly of Functional Molecules. ChemPhysChem, 2020, 21, 643-650.	2.1	4
4	On-Surface Self-Assembly of Metal-Organic Architectures: Insights from Computer Simulations. Journal of Physical Chemistry C, 2020, 124, 20066-20078.	3.1	18
5	The Macrocycle versus Chain Competition in Onâ€Surface Polymerization: Insights from Reactions of 1,3â€Dibromoazulene on Cu(111). Chemistry - A European Journal, 2020, 26, 7647-7656.	3.3	19
6	Effect of backbone aspect ratio on the surface-confined self-assembly of tetratopic molecular building blocks. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2019, 579, 123632.	4.7	3
7	Surfaceâ€Confined Selfâ€Assembly of Asymmetric Tetratopic Molecular Building Blocks. ChemPhysChem, 2019, 20, 1850-1859.	2.1	3
8	Modeling of the 2D self-assembly of tripod-shaped functional molecules with patchy interaction centers. Adsorption, 2019, 25, 75-85.	3.0	15
9	Dichotomous On-Surface Self-Assembly of Tripod Molecules with Anchor Like Interaction Pattern. Topics in Catalysis, 2018, 61, 1218-1226.	2.8	2
10	Self-assembly of conformationally flexible molecules under 2D confinement: structural analysis from computer simulations. Chemical Communications, 2018, 54, 8749-8752.	4.1	9
11	On-surface self-assembly of tetratopic molecular building blocks. Physical Chemistry Chemical Physics, 2018, 20, 23363-23377.	2.8	21
12	Influence of molecular shape and interaction anisotropy on the self-assembly of tripod building blocks on solid surfaces. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2017, 532, 522-529.	4.7	14
13	Hierarchical Ordering in Adsorbed Overlayers of Chiral Tripod Molecules with Directional Interactions. Journal of Physical Chemistry C, 2017, 121, 410-420.	3.1	6
14	Structure Formation in 2D Assemblies Comprising Functional Tripod Molecules with Reduced Symmetry. Journal of Physical Chemistry C, 2017, 121, 25104-25117.	3.1	16
15	Construction of SierpiÅ„ski Triangles up to the Fifth Order. Journal of the American Chemical Society, 2017, 139, 13749-13753.	13.7	57
16	Influence of Relativistic Effects on Assembled Structures of V-Shaped Bispyridine Molecules on M(111) Surfaces Where M = Cu, Ag, Au. ACS Nano, 2017, 11, 8511-8518.	14.6	22
17	Growth of covalently bonded SierpiÅ„ski triangles up to the second generation. RSC Advances, 2016, 6, 66548-66552.	3.6	26
18	From Auâ€“Thiolate Chains to Thioether SierpiÅ„ski Triangles: The Versatile Surface Chemistry of 1,3,5-Tris(4-mercaptophenyl)benzene on Au(111). ACS Nano, 2016, 10, 10901-10911.	14.6	47

#	Article	IF	Citations
19	Directing the Self-Assembly of Tripod Molecules on Solid Surfaces: A Monte Carlo Simulation Approach. Journal of Physical Chemistry C, 2016, 120, 13139-13147.	3.1	28
20	On-surface synthesis of two-dimensional imine polymers with a tunable band gap: a combined STM, DFT and Monte Carlo investigation. Nanoscale, 2016, 8, 8568-8574.	5.6	23
21	Structure formation in adsorbed overlayers comprising functional cross-shaped molecules: A Monte Carlo study. Surface Science, 2015, 641, 269-277.	1.9	6
22	Controlling Molecular Growth between Fractals and Crystals on Surfaces. ACS Nano, 2015, 9, 11909-11915.	14.6	68
23	SierpiÅ„ski-triangle fractal crystals with the C3v point group. Chinese Chemical Letters, 2015, 26, 1198-1202.	9.0	43
24	On-Surface Ullmann Coupling: The Influence of Kinetic Reaction Parameters on the Morphology and Quality of Covalent Networks. ACS Nano, 2014, 8, 7880-7889.	14.6	194
25	Understanding Pattern Formation in 2D Metalâ€“Organic Coordination Systems on Solid Surfaces. Journal of Physical Chemistry C, 2013, 117, 11229-11241.	3.1	52
26	The Reactivity of Arylphosphorus Acid Amides Under Birch Reduction Conditions. European Journal of Organic Chemistry, 2013, 2013, 4351-4371.	2.4	13
27	Supramolecular Assembly of Interfacial Nanoporous Networks with Simultaneous Expression of Metalâ€“Organic and Organicâ€Bonding Motifs. Chemistry - A European Journal, 2013, 19, 14143-14150.	3.3	55