

Kasper NÃ¸rgaard

List of Publications by Year in descending order

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42
papers

1,519
citations

257450

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docs citations

46
times ranked

2354
citing authors

#	ARTICLE	IF	CITATIONS
1	Molecular Dynamics Simulation of Amphiphilic Bistable [2]Rotaxane Langmuir Monolayers at the Air/Water Interface. <i>Journal of the American Chemical Society</i> , 2005, 127, 14804-14816.	13.7	102
2	Solution-Processed Ultrathin Chemically Derived Graphene Films as Soft Top Contacts for Solid-State Molecular Electronic Junctions. <i>Advanced Materials</i> , 2012, 24, 1333-1339.	21.0	82
3	Langmuir-Blodgett Films of Alkane Chalcogenide (S,Se,Te) Stabilized Gold Nanoparticles. <i>Nano Letters</i> , 2001, 1, 189-191.	9.1	76
4	Ultrathin Reduced Graphene Oxide Films as Transparent Top-Contacts for Light Switchable Solid-State Molecular Junctions. <i>Advanced Materials</i> , 2013, 25, 4164-4170.	21.0	75
5	Self-Assembly and Conductive Properties of Molecularly Linked Gold Nanowires. <i>Nano Letters</i> , 2004, 4, 19-22.	9.1	70
6	Structural Evidence of Mechanical Shuttling in Condensed Monolayers of Bistable Rotaxane Molecules. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 7035-7039.	13.8	70
7	Graphene Oxide: A One- versus Two-Component Material. <i>Journal of the American Chemical Society</i> , 2016, 138, 11445-11448.	13.7	66
8	Adaptive chemistry of bifunctional gold nanoparticles at the air/water interface. A synchrotron X-ray study of giant amphiphiles. <i>Faraday Discussions</i> , 2004, 125, 221-233.	3.2	65
9	A clamp-like biohybrid catalyst for DNA oxidation. <i>Nature Chemistry</i> , 2013, 5, 945-951.	13.6	64
10	Supramolecular chemistry on water – towards self-assembling molecular electronic circuitry. <i>Chemical Communications</i> , 2005, , 1812-1823.	4.1	63
11	Direct observation of oxygen configuration on individual graphene oxide sheets. <i>Carbon</i> , 2018, 127, 141-148.	10.3	62
12	Highly Conductive Semitransparent Graphene Circuits Screen-Printed from Water-Based Graphene Oxide Ink. <i>Advanced Materials Technologies</i> , 2017, 2, 1700011.	5.8	59
13	A Comprehensive Study of Extended Tetrathiafulvalene Cruciform Molecules for Molecular Electronics: Synthesis and Electrical Transport Measurements. <i>Journal of the American Chemical Society</i> , 2014, 136, 16497-16507.	13.7	55
14	Macroscopic Alignment of Graphene Stacks by Langmuir-Blodgett Deposition of Amphiphilic Hexabenzocoronenes. <i>Langmuir</i> , 2004, 20, 4139-4146.	3.5	46
15	Role of redox centre in charge transport investigated by novel self-assembled conjugated polymer molecular junctions. <i>Nature Communications</i> , 2015, 6, 7478.	12.8	43
16	In-Place Modulation of Rectification in Tunneling Junctions Comprising Self-Assembled Monolayers. <i>Nano Letters</i> , 2018, 18, 7552-7559.	9.1	41
17	Anisotropic growth of gold nanoparticles using cationic gemini surfactants: effects of structure variations in head and tail groups. <i>Journal of Materials Chemistry C</i> , 2014, 2, 994-1003.	5.5	39
18	Molecular Junctions Based on SAMs of Cruciform Oligo(phenylene ethynylene)s. <i>Langmuir</i> , 2012, 28, 4016-4023.	3.5	38

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19	Wet Chemical Synthesis of Soluble Gold Nanogaps. <i>Accounts of Chemical Research</i> , 2014, 47, 2-11.	15.6	33
20	Evidence of Strong Hydration and Significant Tilt of Amphiphilic [2]Rotaxane Molecules in Langmuir Films Studied by Synchrotron X-ray Reflectivity. <i>Journal of Physical Chemistry B</i> , 2005, 109, 1063-1066.	2.6	31
21	Triazatriangulene as Binding Group for Molecular Electronics. <i>Langmuir</i> , 2014, 30, 14868-14876.	3.5	29
22	Molecular Heterojunctions of Oligo(phenylene ethynylene)s with Linear to Cruciform Framework. <i>Advanced Functional Materials</i> , 2015, 25, 1700-1708.	14.9	29
23	Gate-Tunable Ultrahigh Photoresponsivity of 2D Heterostructures Based on Few Layer MoS ₂ and Solution-Processed rGO. <i>Advanced Electronic Materials</i> , 2015, 1, 1500267.	5.1	28
24	Photophysics of trioxatriangulenium ion. Electrophilic reactivity in the ground state and excited singlet state. <i>Photochemical and Photobiological Sciences</i> , 2002, 1, 763-773.	2.9	27
25	A New Class of Extended Tetrathiafulvalene Cruciform Molecules for Molecular Electronics with Dithiafulvene-4,5-Dithiolate Anchoring Groups. <i>Advanced Materials</i> , 2013, 25, 405-409.	21.0	23
26	End-to-end assembly of gold nanorods via oligopeptide linking and surfactant control. <i>Journal of Colloid and Interface Science</i> , 2012, 376, 83-90.	9.4	22
27	Close Columnar Packing of Triangulenium Ions in Langmuir Films. <i>Langmuir</i> , 2009, 25, 3584-3592.	3.5	21
28	Aligned Growth of Gold Nanorods in PMMA Channels: Parallel Preparation of Nanogaps. <i>ACS Nano</i> , 2012, 6, 3861-3867.	14.6	19
29	Dry Chemistry of Ferrate(VI): A Solvent-Free Mechanochemical Way for Versatile Green Oxidation. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 10949-10953.	13.8	19
30	Mono- and Bis(pyrrolo)tetrathiafulvalene Derivatives Tethered to C ₆₀ : Synthesis, Photophysical Studies, and Self-Assembled Monolayers. <i>Chemistry - A European Journal</i> , 2014, 20, 9918-9929.	3.3	16
31	Electrical annealing and temperature dependent transversal conduction in multilayer reduced graphene oxide films for solid-state molecular devices. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 14277.	2.8	15
32	Synthesis of multi-porphyrin arrays and study of their self-assembly behaviour at the air-water interface. <i>Journal of Physical Organic Chemistry</i> , 2001, 14, 501-512.	1.9	13
33	Gold nanoparticles assembled with dithiocarbamate-anchored molecular wires. <i>Scientific Reports</i> , 2015, 5, 15273.	3.3	11
34	Facile Synthesis of Mildly Oxidized Graphite Inks for Screen-Printing of Highly Conductive Electrodes. <i>Advanced Engineering Materials</i> , 2019, 21, 1801304.	3.5	11
35	Quantifying and sorting of gold nanoparticle dimers from complex reaction mixtures using flow cytometry. <i>Nano Research</i> , 2016, 9, 3093-3098.	10.4	9
36	Monolayered Graphene Oxide as a Low Contact Resistance Protection Layer in Alkanethiol Solid-State Devices. <i>Journal of Physical Chemistry C</i> , 2018, 122, 9731-9737.	3.1	8

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37	Diamine anchored molecular junctions of oligo(phenylene ethynylene) cruciform. Chinese Chemical Letters, 2018, 29, 271-275.	9.0	8
38	High-Quality Reduced Graphene Oxide Electrodes for Sub-Kelvin Studies of Molecular Monolayer Junctions. Journal of Physical Chemistry C, 2018, 122, 25102-25109.	3.1	8
39	Dry Chemistry of Ferrate(VI): A Solvent-Free Mechanochemical Way for Versatile Green Oxidation. Angewandte Chemie, 2018, 130, 11115-11119.	2.0	5
40	Local charge transport properties of hydrazine reduced monolayer graphene oxide sheets prepared under pressure condition. Applied Physics Letters, 2014, 105, 093109.	3.3	3
41	Temperature dependence of charge transport in solid-state molecular junctions based on oligo(phenylene ethynylene)s. Nanotechnology, 2020, 31, 164001.	2.6	2
42	Additional Article Notification: Anisotropic growth of gold nanoparticles using cationic gemini surfactants: effects of structure variations in head and tail groups. Journal of Materials Chemistry C, 2014, 2, 3476.	5.5	0