

Nikolai Severin

List of Publications by Year in descending order

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63
papers

3,968
citations

159585

30
h-index

128289

60
g-index

64
all docs

64
docs citations

64
times ranked

6125
citing authors

#	ARTICLE	IF	CITATIONS
1	Interfacial Electric Fields Acting on Molecules at Solid Interfaces. <i>Journal of Physical Chemistry C</i> , 2022, 126, 6028-6035.	3.1	0
2	Shaping surfaces and interfaces of 2D materials on mica with intercalating water and ethanol. <i>Molecular Physics</i> , 2021, 119, .	1.7	3
3	Reversible Switching of Charge Transfer at the Grapheneâ€“Mica Interface with Intercalating Molecules. <i>ACS Nano</i> , 2020, 14, 11594-11604.	14.6	7
4	Influence of interface hydration on sliding of graphene and molybdenum-disulfide single-layers. <i>Journal of Colloid and Interface Science</i> , 2019, 540, 142-147.	9.4	15
5	Nitrogenâ€“doped graphene as an alternative to ecotoxic zinc oxide in rubbers. <i>Journal of Applied Polymer Science</i> , 2018, 135, 46116.	2.6	4
6	Non-monotonous Wetting of Grapheneâ€“Mica and MoS ₂ â€“Mica Interfaces with a Molecular Layer of Water. <i>Langmuir</i> , 2018, 34, 15228-15237.	3.5	15
7	Microstructure and Elastic Constants of Transition Metal Dichalcogenide Monolayers from Friction and Shear Force Microscopy. <i>Advanced Materials</i> , 2018, 30, e1803748.	21.0	16
8	Functionalized Graphene as Extracellular Matrix Mimics: Toward Wellâ€“Defined 2D Nanomaterials for Multivalent Virus Interactions. <i>Advanced Functional Materials</i> , 2017, 27, 1606477.	14.9	65
9	Strongly enhanced Raman scattering of Cu-phthalocyanine sandwiched between graphene and Au(111). <i>Chemical Communications</i> , 2017, 53, 724-727.	4.1	6
10	Twinned Growth of Metalâ€“Free, Triazineâ€“Based Photocatalyst Films as Mixedâ€“Dimensional (2D/3D) van der Waals Heterostructures. <i>Advanced Materials</i> , 2017, 29, 1703399.	21.0	59
11	Insight into the wetting of a graphene-mica slit pore with a monolayer of water. <i>Physical Review B</i> , 2017, 95, .	3.2	14
12	Reconstructing interaction potentials in thin films from real-space images. <i>Physical Review E</i> , 2016, 93, 043306.	2.1	3
13	Nano-mechanical imaging reveals heterogeneous cross-link distribution in sulfur-vulcanized butadiene-styrene rubber comprising ZnO particles. <i>Polymer</i> , 2016, 107, 102-107.	3.8	12
14	Nanostructural Evolution and Self-Healing Mechanism of Micellar Hydrogels. <i>Macromolecules</i> , 2016, 49, 2281-2287.	4.8	95
15	Morphology, Mechanical Stability, and Protective Properties of Ultrathin Gallium Oxide Coatings. <i>Langmuir</i> , 2015, 31, 5836-5842.	3.5	20
16	Nanophase Separation in Monomolecularly Thin Waterâ€“Ethanol Films Controlled by Graphene. <i>Nano Letters</i> , 2015, 15, 1171-1176.	9.1	24
17	Delamination of graphite oxide in a liquid upon cooling. <i>Nanoscale</i> , 2015, 7, 12625-12630.	5.6	33
18	Biantennary oligoglycines and glyco-oligoglycines self-associating in aqueous medium. <i>Beilstein Journal of Organic Chemistry</i> , 2014, 10, 1372-1382.	2.2	14

#	ARTICLE	IF	CITATIONS
19	Frontispiece: Triazine-Based Graphitic Carbon Nitride: a Two-Dimensional Semiconductor. <i>Angewandte Chemie - International Edition</i> , 2014, 53, n/a-n/a.	13.8	0
20	Frontispiz: Triazine-Based Graphitic Carbon Nitride: a Two-Dimensional Semiconductor. <i>Angewandte Chemie</i> , 2014, 126, n/a-n/a.	2.0	0
21	Triazine-Based Graphitic Carbon Nitride: a Two-Dimensional Semiconductor. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 7450-7455.	13.8	523
22	Dynamics of Ethanol and Water Mixtures Observed in a Self-Adjusting Molecularly Thin Slit Pore. <i>Langmuir</i> , 2014, 30, 3455-3459.	3.5	29
23	Thermosensitive hollow Janus dumbbells. <i>Colloid and Polymer Science</i> , 2014, 292, 1785-1793.	2.1	9
24	Hydration of Bilayered Graphene Oxide. <i>Nano Letters</i> , 2014, 14, 3993-3998.	9.1	135
25	Statistics of Time-Dependent Rupture of Single ds-DNA. <i>Journal of Physical Chemistry B</i> , 2013, 117, 8875-8879.	2.6	2
26	Influence of graphene exfoliation on the properties of water-containing adlayers visualized by graphenes and scanning force microscopy. <i>Journal of Colloid and Interface Science</i> , 2013, 407, 500-504.	9.4	28
27	Origin of mechanical strain sensitivity of pentacene thin-film transistors. <i>Organic Electronics</i> , 2013, 14, 1323-1329.	2.6	32
28	Exfoliation of Crystalline 2D Carbon Nitride: Thin Sheets, Scrolls and Bundles via Mechanical and Chemical Routes. <i>Macromolecular Rapid Communications</i> , 2013, 34, 850-854.	3.9	74
29	Reversible Dewetting of a Molecularly Thin Fluid Water Film in a Soft Graphene-Mica Slit Pore. <i>Nano Letters</i> , 2012, 12, 774-779.	9.1	90
30	Porous organic cage crystals: characterising the porous crystal surface. <i>Chemical Communications</i> , 2012, 48, 11948.	4.1	16
31	Single- and Double-Layer Graphenes as Ultrabarrriers for Fluorescent Polymer Films. <i>Journal of Physical Chemistry C</i> , 2011, 115, 23057-23061.	3.1	19
32	Ultrafast nonequilibrium carrier dynamics in a single graphene layer. <i>Physical Review B</i> , 2011, 83, .	3.2	369
33	Replication of Single Macromolecules with Graphene. <i>Nano Letters</i> , 2011, 11, 2436-2439.	9.1	30
34	A Core-First Preparation of Poly(3-alkylthiophene) Stars. <i>Macromolecular Symposia</i> , 2010, 291-292, 17-25.	0.7	24
35	High contrast optical detection of single graphenes on optically transparent substrates. <i>Journal of Applied Physics</i> , 2010, 108, 106101.	2.5	37
36	Tomography of molecular nanographene double layers using scanning tunneling microscopy. <i>Physical Review B</i> , 2009, 80, .	3.2	9

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37	Rapid Trench Channeling of Graphenes with Catalytic Silver Nanoparticles. <i>Nano Letters</i> , 2009, 9, 457-461.	9.1	136
38	Data scattering in scanning tunneling spectroscopy. <i>Ultramicroscopy</i> , 2008, 109, 85-90.	1.9	2
39	Molecular Level Control over Hierarchical Structure Formation and Polymerization of Oligopeptide-Polymer Conjugates. <i>Advanced Materials</i> , 2008, 20, 409-414.	21.0	46
40	Consecutive Conformational Transitions and Deaggregation of Multiple-Helical Poly(diacetylene)s. <i>Nano Letters</i> , 2008, 8, 1660-1666.	9.1	33
41	Functional, Hierarchically Structured Poly(diacetylene)s via Supramolecular Self-Assembly. <i>Macromolecular Bioscience</i> , 2007, 7, 136-143.	4.1	29
42	Self-Sorting of Polyelectrolyte-Amphiphile Complexes on a Graphite Surface. <i>Macromolecules</i> , 2007, 40, 5182-5186.	4.8	6
43	Blowing DNA Bubbles. <i>Nano Letters</i> , 2006, 6, 2561-2566.	9.1	18
44	Adsorption of Polyelectrolyte Molecules to a Nanostructured Monolayer of Amphiphiles. <i>Nano Letters</i> , 2006, 6, 1018-1022.	9.1	21
45	Self-Assembling Peptide-Polymer Conjugates Comprising (d-alt-l)-Cyclopeptides as Aggregator Domains. <i>Macromolecules</i> , 2006, 39, 7831-7838.	4.8	111
46	Topochemical Polymerization in Supramolecular Polymers of Oligopeptide-Functionalized Diacetylenes. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 5383-5386.	13.8	137
47	Synthesis of a Novel Chiral Squaraine Dye and Its Unique Aggregation Behavior in Solution and in Self-Assembled Monolayers. <i>Advanced Materials</i> , 2006, 18, 1271-1275.	21.0	56
48	Self-Assembly of Perylene Monoimide Substituted Hexa-peri-hexabenzocoronenes: Dyads and Triads at Surfaces. <i>Advanced Materials</i> , 2006, 18, 1317-1321.	21.0	66
49	Resonant Raman spectroscopy of nanostructured carbon-based materials: the molecular approach. <i>AIP Conference Proceedings</i> , 2004, , .	0.4	8
50	Tuning Intermolecular Interactions in a Rodlike Polymer Assembled at Surfaces and in Solution. <i>Langmuir</i> , 2004, 20, 8955-8957.	3.5	9
51	Glassy State of Single Dendronized Polymer Chains. <i>Macromolecules</i> , 2004, 37, 2484-2489.	4.8	49
52	A Hexa-peri-hexabenzocoronene Cyclophane: An Addition to the Toolbox for Molecular Electronics. <i>Journal of the American Chemical Society</i> , 2004, 126, 1402-1407.	13.7	100
53	Fully Extended Polyelectrolyte-Amphiphile Complexes Adsorbed on Graphite. <i>Journal of the American Chemical Society</i> , 2004, 126, 3696-3697.	13.7	35
54	Manipulation and Overstretching of Genes on Solid Substrates. <i>Nano Letters</i> , 2004, 4, 577-579.	9.1	77

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55	Epitaxial Composite Layers of Electron Donors and Acceptors from Very Large Polycyclic Aromatic Hydrocarbons. <i>Journal of the American Chemical Society</i> , 2002, 124, 9454-9457.	13.7	158
56	Title is missing!. <i>Angewandte Chemie</i> , 2002, 114, 3833-3835.	2.0	33
57	Perfectly Straight Nanostructures of Metallosupramolecular Coordination-Polyelectrolyte Amphiphile Complexes on Graphite. <i>Angewandte Chemie - International Edition</i> , 2002, 41, 3681-3683.	13.8	108
58	Cyclodextrin-threaded conjugated polyrotaxanes as insulated molecular wires with reduced interstrand interactions. <i>Nature Materials</i> , 2002, 1, 160-164.	27.5	471
59	Extremely Long Dendronized Polymers: Synthesis, Quantification of Structure Perfection, Individualization, and SFM Manipulation. <i>Angewandte Chemie - International Edition</i> , 2001, 40, 4666-4669.	13.8	106
60	Macromolecular Fractionation of Rod-Like Polymers at Atomically Flat Solid-Liquid Interfaces. <i>Advanced Materials</i> , 2000, 12, 579-582.	21.0	78
61	Synthesis of Amphiphilic Poly(p-phenylene)s with Pendant Dendrons and Linear Chains. <i>Macromolecules</i> , 2000, 33, 2688-2694.	4.8	68
62	Polyethylene (PEHD)/polypropylene (iPP) blends: mechanical properties, structure and morphology. <i>Polymer</i> , 1998, 39, 5283-5291.	3.8	25
63	Extrinsic Localized Excitons in Patterned 2D Semiconductors. <i>Advanced Functional Materials</i> , 0, , 2203060.	14.9	8