

# Piotr Cyganik

## List of Publications by Year in descending order

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41  
papers

1,774  
citations

279798

23  
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265206

42  
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43  
all docs

43  
docs citations

43  
times ranked

1450  
citing authors

#	ARTICLE	IF	CITATIONS
1	Self-Assembled Monolayers of $\pi$ -Biphenylalkanethiols on Au(111): Influence of Spacer Chain on Molecular Packing. <i>Journal of Physical Chemistry B</i> , 2004, 108, 4989-4996.	2.6	157
2	Pronounced Odd~Even Changes in the Molecular Arrangement and Packing Density of Biphenyl-Based Thiol SAMs: A Combined STM and LEED Study. <i>Langmuir</i> , 2003, 19, 8262-8270.	3.5	155
3	A Comprehensive Study of Self-Assembled Monolayers of Anthracenethiol on Gold: Solvent Effects, Structure, and Stability. <i>Journal of the American Chemical Society</i> , 2006, 128, 1723-1732.	13.7	150
4	Self-Assembled Monolayers of Aromatic Selenolates on Noble Metal Substrates. <i>Journal of Physical Chemistry B</i> , 2005, 109, 13630-13638.	2.6	112
5	Competition as a Design Concept: Polymorphism in Self-Assembled Monolayers of Biphenyl-Based Thiols. <i>Journal of the American Chemical Society</i> , 2006, 128, 13868-13878.	13.7	91
6	Polymorphism in Biphenyl-Based Self-Assembled Monolayers of Thiols. <i>Journal of the American Chemical Society</i> , 2004, 126, 5960-5961.	13.7	77
7	Stress in Self-Assembled Monolayers: $\pi$ -Biphenyl Alkane Thiols on Au(111). <i>Journal of Physical Chemistry B</i> , 2005, 109, 10902-10908.	2.6	77
8	Thiolate versus Selenolate: Structure, Stability, and Charge Transfer Properties. <i>ACS Nano</i> , 2015, 9, 4508-4526.	14.6	69
9	Self-assembled monolayers of perfluoroterphenyl-substituted alkanethiols: specific characteristics and odd~even effects. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 12123.	2.8	63
10	Formation of Highly Ordered Self-Assembled Monolayers of Alkynes on Au(111) Substrate. <i>Journal of the American Chemical Society</i> , 2014, 136, 11918-11921.	13.7	63
11	Influence of Molecular Structure on Phase Transitions: A Study of Self-Assembled Monolayers of 2-(Aryl)-ethane Thiols. <i>Journal of Physical Chemistry C</i> , 2007, 111, 16909-16919.	3.1	60
12	Odd~Even Effect in Molecular Packing of Biphenyl-Substituted Alkaneselenolate Self-Assembled Monolayers on Au(111): Scanning Tunneling Microscopy Study. <i>Journal of Physical Chemistry C</i> , 2008, 112, 15466-15473.	3.1	59
13	Self-Assembled Monolayers of Semifluorinated Alkaneselenolates on Noble Metal Substrates. <i>Langmuir</i> , 2005, 21, 8204-8213.	3.5	58
14	Relative stability of thiol and selenol based SAMs on Au(111) ~ exchange experiments. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 4400.	2.8	52
15	Effect of the Bending Potential on Molecular Arrangement in Alkaneselenolate Self-Assembled Monolayers. <i>Journal of Physical Chemistry C</i> , 2008, 112, 12495-12506.	3.1	47
16	Tunneling across SAMs Containing Oligophenyl Groups. <i>Journal of Physical Chemistry C</i> , 2016, 120, 11331-11337.	3.1	43
17	Characterizing the Metal~SAM Interface in Tunneling Junctions. <i>ACS Nano</i> , 2015, 9, 1471-1477.	14.6	41
18	Anomalously Rapid Tunneling: Charge Transport across Self-Assembled Monolayers of Oligo(ethylene) Tj ETQqO O O rgBT /Overlock 10 Tj	13.7	41

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19	Charge Tunneling along Short Oligoglycine Chains. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 14743-14747.	13.8	36
20	Relative Thermal Stability of Thiolate- and Selenolate-Bonded Aromatic Monolayers on the Au(111) Substrate. <i>Journal of Physical Chemistry C</i> , 2017, 121, 28031-28042.	3.1	33
21	Modification and Stability of Aromatic Self-Assembled Monolayers upon Irradiation with Energetic Particles. <i>Journal of Physical Chemistry B</i> , 2005, 109, 5085-5094.	2.6	32
22	N-Heterocyclic Carbenes for the Self-Assembly of Thin and Highly Insulating Monolayers with High Quality and Stability. <i>ACS Nano</i> , 2020, 14, 6043-6057.	14.6	28
23	Odd-Even Effects in the Structure and Stability of Azobenzene-Substituted Alkanethiolates on Au(111) and Ag(111) Substrates. <i>Journal of Physical Chemistry C</i> , 2015, 119, 25929-25944.	3.1	27
24	Binding groups for highly ordered SAM formation: carboxylic versus thiol. <i>Chemical Communications</i> , 2017, 53, 5748-5751.	4.1	23
25	Odd-Even Effect in the Polymorphism of Self-Assembled Monolayers of Biphenyl-Substituted Alkaneselenolates on Au(111). <i>Journal of Physical Chemistry C</i> , 2012, 116, 19535-19542.	3.1	19
26	Oscillations in the Stability of Consecutive Chemical Bonds Revealed by Ion-Induced Desorption. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 1336-1340.	13.8	17
27	Odd-Even Effect in Molecular Packing of Self-Assembled Monolayers of Biphenyl-Substituted Fatty Acid on Ag(111). <i>Journal of Physical Chemistry C</i> , 2018, 122, 919-928.	3.1	16
28	Preparation of Carbon Nanomembranes without Chemically Active Groups. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 31176-31181.	8.0	15
29	Emission of neutral molecules from ion-bombarded thiol self-assembled monolayers. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 2001, 182, 148-154.	1.4	13
30	Relative Stability of Thiolate and Selenolate SAMs on Ag(111) Substrate Studied by Static SIMS. Oscillation in Stability of Consecutive Chemical Bonds. <i>Journal of Physical Chemistry C</i> , 2017, 121, 459-470.	3.1	13
31	Ion-induced erosion of organic self-assembled monolayers. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 1999, 148, 137-142.	1.4	12
32	Odd-Even Effects in Ion-Beam-Induced Desorption of Biphenyl-Substituted Alkanethiol Self-Assembled Monolayers. <i>ChemPhysChem</i> , 2011, 12, 140-144.	2.1	12
33	Photoisomerization of azobenzene-substituted alkanethiolates on Au(111) substrates in the context of work function variation: the effect of structure and packing density. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 9098-9105.	2.8	12
34	In situ observation of particle-induced desorption from a self-assembled monolayer by laser-ionization mass spectrometry. <i>Applied Physics Letters</i> , 2003, 82, 1114-1116.	3.3	8
35	Ion-Beam-Induced Desorption as a Method for Probing the Stability of the Molecule-Substrate Interface in Self-Assembled Monolayers. <i>ChemPhysChem</i> , 2011, 12, 2554-2557.	2.1	8
36	Thermally Stable and Highly Conductive SAMs on Ag Substrate- The Impact of the Anchoring Group. <i>Advanced Electronic Materials</i> , 2021, 7, 2000947.	5.1	8

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37	Phase-Dependent Desorption from Biphenyl-Substituted Alkanethiol Self-Assembled Monolayers Induced by Ion Irradiation. <i>Journal of Physical Chemistry C</i> , 2008, 112, 2248-2251.	3.1	7
38	Odd-Even Effect in Electron Beam Irradiation of Hybrid Aromatic-Aliphatic Self-Assembled Monolayers of Fatty Acid. <i>Journal of Physical Chemistry C</i> , 2021, 125, 9310-9318.	3.1	4
39	Odd-Even Effect in Peptide SAMs—Competition of Secondary Structure and Molecule-Substrate Interaction. <i>Journal of Physical Chemistry B</i> , 2021, 125, 10964-10971.	2.6	3
40	Oscillation in the stability of consecutive chemical bonds at the molecule-metal interface—the case of ionic bonding. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 13411-13414.	2.8	2
41	Surface-directed phase separation in nanometer polymer films: self-stratification and pattern replication. <i>E-Polymers</i> , 2002, 2, .	3.0	1