

Michael Zharnikov

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

250
papers

9,875
citations

54
h-index

86
g-index

254
ext. papers

10,532
ext. citations

6.3
avg, IF

6.15
L-index

#	Paper	IF	Citations
250	Characterization of X-ray Induced Damage in Alkanethiolate Monolayers by High-Resolution Photoelectron Spectroscopy. <i>Langmuir</i> , 2001 , 17, 8-11	4	283
249	Electron-induced crosslinking of aromatic self-assembled monolayers: Negative resists for nanolithography. <i>Applied Physics Letters</i> , 1999 , 75, 2401-2403	3.4	271
248	Structure of Thioaromatic Self-Assembled Monolayers on Gold and Silver. <i>Langmuir</i> , 2001 , 17, 2408-2415	4	267
247	Light-powered electrical switch based on cargo-lifting azobenzene monolayers. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 3407-9	16.4	260
246	Cooperative light-induced molecular movements of highly ordered azobenzene self-assembled monolayers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 9937-42	11.5	251
245	Modification of thiol-derived self-assembling monolayers by electron and x-ray irradiation: Scientific and lithographic aspects. <i>Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , 2002 , 20, 1793		236
244	On the Importance of the Headgroup Substrate Bond in Thiol Monolayers: A Study of Biphenyl-Based Thiols on Gold and Silver. <i>Langmuir</i> , 2001 , 17, 1582-1593	4	233
243	Adsorption of Alkanethiols and Biphenylthiols on Au and Ag Substrates: A High-Resolution X-ray Photoelectron Spectroscopy Study. <i>Journal of Physical Chemistry B</i> , 2001 , 105, 4058-4061	3.4	223
242	Generation of Surface Amino Groups on Aromatic Self-Assembled Monolayers by Low Energy Electron Beams: First Step Towards Chemical Lithography. <i>Advanced Materials</i> , 2000 , 12, 805-808	24	218
241	Spectroscopic characterization of thiol-derived self-assembling monolayers. <i>Journal of Physics Condensed Matter</i> , 2001 , 13, 11333-11365	1.8	158
240	Isotope and temperature effects in liquid water probed by x-ray absorption and resonant x-ray emission spectroscopy. <i>Physical Review Letters</i> , 2008 , 100, 027801	7.4	153
239	Modification of Alkanethiolate Monolayers by Low Energy Electron Irradiation: Dependence on the Substrate Material and on the Length and Isotopic Composition of the Alkyl Chains. <i>Langmuir</i> , 2000 , 16, 2697-2705	4	151
238	Preparation and Characterization of Self-Assembled Monolayers on Indium Tin Oxide. <i>Langmuir</i> , 2000 , 16, 6208-6215	4	150
237	Innershell absorption spectroscopy of amino acids at all relevant absorption edges. <i>Journal of Physical Chemistry A</i> , 2005 , 109, 6998-7000	2.8	138
236	Odd-Even Effects at the S-Metal Interface and in the Aromatic Matrix of Biphenyl-Substituted Alkanethiol Self-Assembled Monolayers. <i>Journal of Physical Chemistry B</i> , 2001 , 105, 6888-6894	3.4	129
235	High-resolution X-ray photoelectron spectroscopy in studies of self-assembled organic monolayers. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2010 , 178-179, 380-393	1.7	122
234	The effect of sulfur-metal bonding on the structure of self-assembled monolayers. <i>Physical Chemistry Chemical Physics</i> , 2000 , 2, 3359-3362	3.6	122

233	Molecular self-assembly at bare semiconductor surfaces: preparation and characterization of highly organized octadecanethiolate monolayers on GaAs(001). <i>Journal of the American Chemical Society</i> , 2006 , 128, 5231-43	16.4	121
232	Increased Lateral Density in Alkanethiolate Films on Gold by Mercury Adsorption. <i>Langmuir</i> , 1998 , 14, 7435-7449	4	113
231	A Flexible Approach to the Fabrication of Chemical Gradients. <i>Advanced Materials</i> , 2007 , 19, 998-1000	24	105
230	Self-assembled monolayers of aromatic selenolates on noble metal substrates. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 13630-8	3.4	101
229	Electron-beam chemical lithography with aliphatic self-assembled monolayers. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 1421-4	16.4	99
228	Structural Forces in Self-Assembled Monolayers: Terphenyl-Substituted Alkanethiols on Noble Metal Substrates <i>Journal of Physical Chemistry B</i> , 2004 , 108, 14462-14469	3.4	92
227	Competition as a design concept: polymorphism in self-assembled monolayers of biphenyl-based thiols. <i>Journal of the American Chemical Society</i> , 2006 , 128, 13868-78	16.4	88
226	Direct probing molecular twist and tilt in aromatic self-assembled monolayers. <i>Journal of the American Chemical Society</i> , 2007 , 129, 15416-7	16.4	87
225	Understanding Chemical versus Electrostatic Shifts in X-ray Photoelectron Spectra of Organic Self-Assembled Monolayers. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 3428-3437	3.8	84
224	Response of Biphenyl-Substituted Alkanethiol Self-Assembled Monolayers to Electron Irradiation: Damage Suppression and Odd/Even Effects. <i>Langmuir</i> , 2002 , 18, 3142-3150	4	83
223	Self-assembled monolayers from biphenyldithiol derivatives: optimization of the deprotection procedure and effect of the molecular conformation. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 4307-17 ³⁻⁴	4	78
222	Fabrication of Thiol-Terminated Surfaces Using Aromatic Self-Assembled Monolayers. <i>Journal of Physical Chemistry B</i> , 2004 , 108, 16806-16810	3.4	78
221	Molecular Self-Assembly at Bare Semiconductor Surfaces: Investigation of the Chemical and Electronic Properties of the Alkanethiolate/GaAs(001) Interface. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 4226-4234	3.8	77
220	Morphology control of structured polymer brushes. <i>Small</i> , 2007 , 3, 1764-73	11	76
219	A detailed analysis of the photoemission spectra of basic thioaromatic monolayers on noble metal substrates. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2006 , 151, 45-51	1.7	76
218	Single Component Self-Assembled Monolayers of Aromatic Azo-Biphenyl: Influence of the Packing Tightness on the SAM Structure and Light-Induced Molecular Movements. <i>Advanced Functional Materials</i> , 2008 , 18, 2972-2983	15.6	74
217	The Effects of Embedded Dipoles in Aromatic Self-Assembled Monolayers. <i>Advanced Functional Materials</i> , 2015 , 25, 3943-3957	15.6	73
216	Functionalization of GaAs Surfaces with Aromatic Self-Assembled Monolayers: A Synchrotron-Based Spectroscopic Study. <i>Langmuir</i> , 2003 , 19, 4992-4998	4	73

215	Low-Energy Electron-Induced Damage in Hexadecanethiolate Monolayers. <i>Journal of Physical Chemistry B</i> , 1998 , 102, 7949-7959	3.4	68
214	Electric transport properties of surface-anchored metal-organic frameworks and the effect of ferrocene loading. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 9824-30	9.5	67
213	Self-assembly of a pyridine-terminated thiol monolayer on Au(111). <i>Langmuir</i> , 2009 , 25, 959-67	4	66
212	NEXAFS study of glycine and glycine-based oligopeptides. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2004 , 134, 25-33	1.7	66
211	Self-Assembled Monolayers of Nitrile-Functionalized Alkanethiols on Gold and Silver Substrates. <i>Journal of Physical Chemistry B</i> , 2003 , 107, 7716-7725	3.4	64
210	Making protein patterns by writing in a protein-repelling matrix. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 5833-6	16.4	63
209	Self-assembled monolayers of alkaneselenolates on (111) gold and silver. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 3898-906	3.4	62
208	Correlation between the molecular structure and photoresponse in aliphatic self-assembled monolayers with azobenzene tailgroups. <i>Langmuir</i> , 2008 , 24, 11691-700	4	61
207	X-ray photoelectron spectroscopy and near-edge X-ray absorption fine structure study of water adsorption on pyridine-terminated thiolate self-assembled monolayers. <i>Langmuir</i> , 2004 , 20, 11022-9	4	60
206	Adsorption of Long-Chain Alkanethiols on Au(111): A Look from the Substrate by High Resolution X-ray Photoelectron Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 7112-7119	3.8	59
205	Tuning the Exchange Reaction between a Self-assembled Monolayer and Potential Substituents by Electron Irradiation. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 7772-7782	3.8	57
204	Self-assembled monolayers of semifluorinated alkaneselenolates on noble metal substrates. <i>Langmuir</i> , 2005 , 21, 8204-13	4	57
203	Impact of DNA-surface interactions on the stability of DNA hybrids. <i>Analytical Chemistry</i> , 2011 , 83, 4288-95	9.5	56
202	Orbital-dependent charge transfer dynamics in conjugated self-assembled monolayers. <i>Physical Review Letters</i> , 2011 , 107, 027801	7.4	56
201	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	3.8	56
200	A detailed analysis of the C 1s photoemission of n-alkanethiolate films on noble metal substrates. <i>Surface Science</i> , 2003 , 529, 36-46	1.8	56
199	Physical and Electronic Structure Effects of Embedded Dipoles in Self-Assembled Monolayers: Characterization of Mid-Chain Ester Functionalized Alkanethiols on Au{111}. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 10842-10854	3.8	55
198	Strong temperature dependence of irradiation effects in organic layers. <i>Physical Review Letters</i> , 2004 , 93, 178302	7.4	55

197	Thiolate versus Selenolate: Structure, Stability, and Charge Transfer Properties. <i>ACS Nano</i> , 2015 , 9, 4508-4517	4.6	54
196	Novel tripod ligands for prickly self-assembled monolayers. <i>Dalton Transactions</i> , 2006 , 2767-77	4.3	54
195	Self-assembled monolayers of perfluoroterphenyl-substituted alkanethiols: specific characteristics and odd-even effects. <i>Physical Chemistry Chemical Physics</i> , 2010 , 12, 12123-37	3.6	52
194	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	3.8	52
193	Aromatic Self-Assembled Monolayers on Hydrogenated Silicon. <i>Langmuir</i> , 2003 , 19, 4682-4687	4	52
192	Molecular self-assembly at bare semiconductor surfaces: cooperative substrate-molecule effects in octadecanethiolate monolayer assemblies on GaAs(111), (110), and (100). <i>ACS Nano</i> , 2010 , 4, 3447-65	16.7	51
191	Balance of structure-building forces in selenium-based self-assembled monolayers. <i>Journal of the American Chemical Society</i> , 2007 , 129, 2232-3	16.4	51
190	Fabrication of a full-coverage polymer nanobrush on an electron-beam-activated template. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 6786-9	16.4	51
189	Fabrication of Stable Metal Films on the Surface of Self-Assembled Monolayers. <i>Advanced Materials</i> , 2005 , 17, 1745-1749	24	50
188	Conformation-driven quantum interference effects mediated by through-space conjugation in self-assembled monolayers. <i>Nature Communications</i> , 2016 , 7, 13904	17.4	49
187	An extension of the mean free path approach to X-ray absorption spectroscopy. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2002 , 124, 15-24	1.7	48
186	Superexchange Charge Transport in Loaded Metal Organic Frameworks. <i>ACS Nano</i> , 2016 , 10, 7085-93	16.7	48
185	Embedded Dipole Self-Assembled Monolayers for Contact Resistance Tuning in p-Type and n-Type Organic Thin Film Transistors and Flexible Electronic Circuits. <i>Advanced Functional Materials</i> , 2018 , 28, 1804462	15.6	48
184	Odd-even effects in photoemission from terphenyl-substituted alkanethiolate self-assembled monolayers. <i>Langmuir</i> , 2005 , 21, 4370-5	4	47
183	Tripodal Binding Units for Self-Assembled Monolayers on Gold: A Comparison of Thiol and Thioether Headgroups. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 19609-19617	3.8	46
182	Nanometric Assembly of Functional Terpyridyl Complexes on Transparent and Conductive Oxide Substrates: Structure, Properties, and Applications. <i>Accounts of Chemical Research</i> , 2017 , 50, 2128-2138	24.3	44
181	Charge transfer dynamics in self-assembled monomolecular films. <i>Chemical Physics Letters</i> , 2007 , 447, 227-231	2.5	44
180	Self-assembled monolayers of ferrocene-substituted biphenyl ethynyl thiols on gold. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 24621-8	3.4	43

179	Novel ultrathin poly(ethylene glycol) films as flexible platform for biological applications and plasmonics. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 2641-9	9.5	42
178	Monolayers of trimesic and isophthalic acid on Cu and Ag: the influence of coordination strength on adsorption geometry. <i>Chemical Science</i> , 2013 , 4, 4455	9.4	41
177	Effect of the Bending Potential on Molecular Arrangement in Alkaneselenolate Self-Assembled Monolayers. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 12495-12506	3.8	41
176	Modification of Aliphatic Monomolecular Films by Free Radical Dominant Plasma: The Effect of the Alkyl Chain Length and the Substrate. <i>Langmuir</i> , 2003 , 19, 9774-9780	4	41
175	Mixing of Nonsubstituted and Partly Fluorinated Alkanethiols in a Binary Self-Assembled Monolayer. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 3697-3706	3.8	40
174	Charge Transfer Time in Alkanethiolate Self-Assembled Monolayers via Resonant Auger Electron Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 13766-13773	3.8	39
173	Fabrication of mixed self-assembled monolayers designed for avidin immobilization by irradiation promoted exchange reaction. <i>Langmuir</i> , 2009 , 25, 9189-96	4	39
172	Is X-ray absorption spectroscopy sensitive to the amino acid composition of functional proteins?. <i>Journal of Physical Chemistry B</i> , 2008 , 112, 4478-80	3.4	39
171	Surface-Confined Heterometallic Molecular Dyads: Merging the Optical and Electronic Properties of Fe, Ru, and Os Terpyridyl Complexes. <i>Advanced Functional Materials</i> , 2013 , 23, 4227-4235	15.6	38
170	Resonant X-ray emission spectroscopy of liquid water: Novel instrumentation, high resolution, and the flap approach. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2010 , 177, 206-211	1.7	38
169	Self-assembled monolayers of a bis(pyrazol-1-yl)pyridine-substituted thiol on Au(111). <i>Langmuir</i> , 2008 , 24, 12883-91	4	38
168	NEXAFS spectroscopy of homopolypeptides at all relevant absorption edges: polyisoleucine, polytyrosine, and polyhistidine. <i>Journal of Physical Chemistry B</i> , 2007 , 111, 9803-7	3.4	37
167	Self-Assembled Monolayers of Aromatic Tellurides on (111)-Oriented Gold and Silver Substrates. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 11627-11635	3.8	37
166	Size-controlled electrochemical synthesis of metal nanoparticles on monomolecular templates. <i>Angewandte Chemie - International Edition</i> , 2005 , 44, 6775-8	16.4	37
165	Characterization of self-assembled monolayers of oligo(phenyleneethynylene) derivatives of varying shapes on gold: effect of laterally extended pi-systems. <i>Langmuir</i> , 2007 , 23, 6170-81	4	36
164	Effects of Embedded Dipole Layers on Electrostatic Properties of Alkanethiolate Self-Assembled Monolayers. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 15815-15830	3.8	35
163	Bottom-Up Assembly of Multicomponent Coordination-Based Oligomers. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 16398-16404	3.8	35
162	Controlling destructive quantum interference in tunneling junctions comprising self-assembled monolayers bond topology and functional groups. <i>Chemical Science</i> , 2018 , 9, 4414-4423	9.4	34

161	Energy Level Pinning in Self-Assembled Alkanethiol Monolayers. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 4575-4583	3.8	34
160	The effect of halogen substitution in self-assembled monolayers of 4-mercaptobiphenyls on noble metal substrates. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 4096-103	3.4	34
159	Transition voltages respond to synthetic reorientation of embedded dipoles in self-assembled monolayers. <i>Chemical Science</i> , 2016 , 7, 781-787	9.4	33
158	Orbital-Symmetry-Dependent Electron Transfer through Molecules Assembled on Metal Substrates. <i>Journal of Physical Chemistry Letters</i> , 2012 , 3, 436-40	6.4	33
157	Chain-Length-Dependent Branching of Irradiation-Induced Processes in Alkanethiolate Self-Assembled Monolayers. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 534-541	3.8	33
156	Synthesis, characterization and electrochemical behavior of unsymmetric transition metal-terminated biphenyl ethynyl thiols. <i>Journal of Organometallic Chemistry</i> , 2007 , 692, 1530-1545	2.3	33
155	Micrometer-scale protein-resistance gradients by electron-beam lithography. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 7238-41	16.4	33
154	Importance of the Anchor Group Position (Para versus Meta) in Tetraphenylmethane Tripods: Synthesis and Self-Assembly Features. <i>Chemistry - A European Journal</i> , 2016 , 22, 13218-35	4.8	32
153	Structure of Self-Assembled Monolayers of Partially Fluorinated Alkanethiols with a Fluorocarbon Part of Variable Length on Gold Substrate. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 18967-18979	3.8	32
152	Abnormal pinning of the Fermi and vacuum levels in monomolecular self-assembled films. <i>Chemical Physics Letters</i> , 2006 , 428, 283-287	2.5	32
151	Self-Assembled Monolayers of Oligophenylencarboxylic Acids on Silver Formed at the Liquid-Solid Interface. <i>Langmuir</i> , 2016 , 32, 9397-409	4	31
150	Nanoscale electrical investigation of layer-by-layer grown molecular wires. <i>Advanced Materials</i> , 2014 , 26, 1688-93	24	31
149	Fabrication of ssDNA/oligo(ethylene glycol) monolayers and complex nanostructures by an irradiation-promoted exchange reaction. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 10303-6	16.4	31
148	Triptycene Tripods for the Formation of Highly Uniform and Densely Packed Self-Assembled Monolayers with Controlled Molecular Orientation. <i>Journal of the American Chemical Society</i> , 2019 , 141, 5995-6005	16.4	30
147	Structure of isophthalic acid based monolayers and its relation to the initial stages of growth of metalorganic coordination layers. <i>Chemical Science</i> , 2012 , 3, 1858	9.4	30
146	Controlled Modification of Protein-Repelling Self-Assembled Monolayers by Ultraviolet Light: The Effect of the Wavelength. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 9019-9028	3.8	30
145	Efficient n-Doping and Hole Blocking in Single-Walled Carbon Nanotube Transistors with 1,2,4,5-Tetrakis(tetramethylguanidino)ben-zene. <i>ACS Nano</i> , 2018 , 12, 5895-5902	16.7	30
144	Electrochemical characterizations of nickel deposition on aromatic dithiol monolayers on gold electrodes. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 22371-6	3.4	29

143	Solid-state near-edge X-ray absorption fine structure spectra of glycine in various charge states. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 3420-7	3.4	29
142	Two-Terminal Molecular Memory through Reversible Switching of Quantum Interference Features in Tunneling Junctions. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 15681-15685	16.4	29
141	Comprehensive Analysis of the Effect of Electron Irradiation on Oligo(ethylene glycol) Terminated Self-Assembled Monolayers Applicable for Specific and Nonspecific Patterning of Proteins. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 14950-14959	3.8	28
140	A new approach for the fabrication of strongly heterogeneous mixed self-assembled monolayers. <i>ChemPhysChem</i> , 2007 , 8, 819-22	3.2	28
139	X-ray absorption spectromicroscopy studies for the development of lithography with a monomolecular resist. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 5168-74	3.4	28
138	Depth distribution of irradiation-induced cross-linking in aromatic self-assembled monolayers. <i>Langmuir</i> , 2004 , 20, 7166-70	4	28
137	Ion-Solvation-Induced Molecular Reorganization in Liquid Water Probed by Resonant Inelastic Soft X-ray Scattering. <i>Journal of Physical Chemistry Letters</i> , 2014 , 5, 4143-8	6.4	27
136	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	3.8	27
135	NEXAFS spectroscopy of biological molecules: From amino acids to functional proteins. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2009 , 603, 111-114	1.2	27
134	Biphenylnitrile-Based Self-Assembled Monolayers on Au(111): Spectroscopic Characterization and Resonant Excitation of the Nitrile Tail Group. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 12719-12727	3.8	26
133	Understanding the Properties of Tailor-Made Self-Assembled Monolayers with Embedded Dipole Moments for Interface Engineering. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 28757-28774	3.8	26
132	Employing X-ray Photoelectron Spectroscopy for Determining Layer Homogeneity in Mixed Polar Self-Assembled Monolayers. <i>Journal of Physical Chemistry Letters</i> , 2016 , 7, 2994-3000	6.4	25
131	Multiscale charge injection and transport properties in self-assembled monolayers of biphenyl thiols with varying torsion angles. <i>Chemistry - A European Journal</i> , 2012 , 18, 10335-47	4.8	25
130	Adamantane-Based Tripodal Thioether Ligands Functionalized with a Redox-Active Ferrocenyl Moiety for Self-Assembled Monolayers. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 14975-14982	3.8	25
129	DNA immobilization, delivery and cleavage on solid supports. <i>Journal of Materials Chemistry</i> , 2011 , 21, 10602		25
128	"Turn on" electron-transfer-based selective detection of ascorbic acid via copper complexes immobilized on glass. <i>Analyst</i> , 2012 , 137, 3216-9	5	24
127	Application of Long Wavelength Ultraviolet Radiation for Modification and Patterning of Protein-Repelling Monolayers. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 5824-5830	3.8	24
126	ZONE-PLATE-BASED SCANNING PHOTOELECTRON MICROSCOPY AT SRRC: PERFORMANCE AND APPLICATIONS. <i>Surface Review and Letters</i> , 2002 , 09, 213-222	1.1	24

125	Surface-confined heterometallic triads on the basis of terpyridyl complexes and design of molecular logic gates. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 8677-86	9.5	22
124	Molecular sensors confined on SiO _x substrates. <i>Coordination Chemistry Reviews</i> , 2017 , 330, 144-163	23.2	22
123	"Building block picture" of the electronic structure of aqueous cysteine derived from resonant inelastic soft X-ray scattering. <i>Journal of Physical Chemistry B</i> , 2014 , 118, 13142-50	3.4	22
122	Self-Assembly of Pyridine-Substituted Alkanethiols on Gold: The Electronic Structure Puzzle in the Ortho- and Para-Attachment of Pyridine to the Molecular Chain. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 861-870	3.8	22
121	Self-Assembled Monolayers of Cyclic Aliphatic Thiols and Their Reaction toward Electron Irradiation. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 13559-13568	3.8	22
120	Compensation of the OddEven Effects in Aliphatic Self-Assembled Monolayers by Nonsymmetric Attachment of the Aromatic Part. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 2841-2854	3.8	22
119	Biocompatible Nanomembranes Based on PEGylation of Cross-Linked Self-Assembled Monolayers. <i>Chemistry of Materials</i> , 2012 , 24, 2965-2972	9.6	21
118	Static Conductance of Nitrile-Substituted Oligophenylene and Oligo(phenylene ethynylene) Self-Assembled Monolayers Studied by the Mercury-Drop Method. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 25556-25561	3.8	21
117	Modification of Alkaneselenolate Monolayers by Low-Energy Electrons. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 1191-1198	3.8	21
116	UV-Promoted Exchange Reaction as a Tool for Gradual Tuning the Composition of Binary Self-Assembled Monolayers and Chemical Lithography. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 12002-12010	3.8	21
115	Probing charge transfer dynamics in self-assembled monolayers by core hole clock approach. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2015 , 200, 160-173	1.7	20
114	Interplay of Collective Electrostatic Effects and Level Alignment Dictates the Tunneling Rates across Halogenated Aromatic Monolayer Junctions. <i>Journal of Physical Chemistry Letters</i> , 2019 , 10, 4142-4147	6.4	20
113	OddEven 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	3.8	19
112	Ultraflexible, freestanding nanomembranes based on poly(ethylene glycol). <i>Advanced Materials</i> , 2014 , 26, 3328-32	24	19
111	Understanding the Role of Parallel Pathways via In-Situ Switching of Quantum Interference in Molecular Tunneling Junctions. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 14308-14312	16.4	18
110	Electronic Structure of Aromatic Monomolecular Films: The Effect of Molecular Spacers and Interfacial Dipoles. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 22422-22428	3.8	18
109	Exposure of monomolecular lithographic patterns to ambient: an X-ray photoemission spectromicroscopy study. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 17878-83	3.4	18
108	Strong temperature dependence of irradiation effects in organic layers. <i>Surface Science</i> , 2005 , 593, 252-255	3.5	18

107	Electronic structure and polymerization of a self-assembled monolayer with multiple arene rings. <i>Physical Review B</i> , 2006 , 74,	3.3	17
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