

Michael Zharnikov

List of Publications by Year in Descending Order

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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	Dual interfacial modifications of an organic solar cell by self-assembled monolayers. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2022 , 422, 113554	4.7	
249	Tuning the Properties of Poly(ethylene glycol) Films and Membranes by the Molecular Weight of the Precursors. <i>ACS Applied Polymer Materials</i> , 2022 , 4, 645-653	4.3	2
248	Elastic Properties of Poly(ethylene glycol) Nanomembranes and Respective Implications. <i>Membranes</i> , 2022 , 12, 509	3.8	1
247	Electrochemical Characterization of Redox Probes Confined in 3D Conducting Polymer Networks. <i>Chemistry - A European Journal</i> , 2021 , 27, 17255-17263	4.8	1
246	Electron-Irradiation Promoted Exchange Reaction as a Tool for Surface Engineering and Chemical Lithography. <i>Advanced Materials Interfaces</i> , 2021 , 8, 2100148	4.6	5
245	High-resolution X-ray absorption spectroscopy of alkanethiolate self-assembled monolayers on Au(111) and Ag(111). <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2021 , 248, 147057	1.7	
244	Synthetic control over the binding configuration of luminescent sp-defects in single-walled carbon nanotubes. <i>Nature Communications</i> , 2021 , 12, 2119	17.4	13
243	Novel synthesis and electrochemical investigations of ZnO/C composites for lithium-ion batteries. <i>Journal of Materials Science</i> , 2021 , 56, 13227	4.3	1
242	Porous Honeycomb Self-Assembled Monolayers: Tripodal Adsorption and Hidden Chirality of Carboxylate Anchored Triptycenes on Ag. <i>ACS Nano</i> , 2021 ,	16.7	7
241	Organic tandem solar cells with Janus-engineered interconnecting layer. <i>Applied Surface Science</i> , 2021 , 552, 149456	6.7	
240	The Effect of Ultraviolet Light on Biorepulsive Hydrogel Poly(ethylene glycol) Films. <i>ACS Applied Polymer Materials</i> , 2021 , 3, 3446-3454	4.3	3
239	Functionalized Tetrapodal Diazatriptycenes for Electrostatic Dipole Engineering in n-Type Organic Thin Film Transistors. <i>Advanced Materials Technologies</i> , 2021 , 6, 2000300	6.8	3
238	Modification of Alkanethiolate Self-Assembled Monolayers by Ultraviolet Light: The Effect of Wavelength. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 1855-1864	3.8	2
237	Thermally Stable and Highly Conductive SAMs on Ag Substrate: The Impact of the Anchoring Group. <i>Advanced Electronic Materials</i> , 2021 , 7, 2000947	6.4	3
236	Cyano-Substituted Triptycene-Based Monolayers on Au(111): Tripodal Adsorption, Dipole Engineering, and Charge Transfer. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 18968-18978	3.8	1
235	Reduction of leakage current in amorphous Oxide-Semiconductor Top-gated thin film transistors by interface engineering with dipolar Self-Assembled monolayers. <i>Applied Surface Science</i> , 2021 , 569, 151029	6.7	3
234	Molecular n-Doping of Large- and Small-Diameter Carbon Nanotube Field-Effect Transistors with Tetrakis(tetramethylguanidino)benzene. <i>ACS Applied Electronic Materials</i> , 2021 , 3, 804-812	4	5

233	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
232	Understanding the Role of Parallel Pathways via In-Situ Switching of Quantum Interference in Molecular Tunneling Junctions. <i>Angewandte Chemie</i> , 2020 , 132, 14414-14418	3.6	3
231	Annealing effect for self-assembled monolayers formed from terphenylethanethiol on Au(111). <i>Physical Chemistry Chemical Physics</i> , 2020 , 22, 13580-13591	3.6	5
230	Interaction of water with oligo(ethylene glycol) terminated monolayers: wetting versus hydration. <i>Physical Chemistry Chemical Physics</i> , 2020 , 22, 8088-8095	3.6	2
229	Shape controlled assembly of carboxylic acids: formation of a binary monolayer by intercalation into molecular nanotunnels. <i>Physical Chemistry Chemical Physics</i> , 2020 , 22, 4205-4215	3.6	5
228	Thermal Stability of Phosphonic Acid Self-Assembled Monolayers on Alumina Substrates. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 2531-2542	3.8	11
227	Binary aromatic self-assembled monolayers: electrostatic properties and charge tunneling rates across the molecular framework. <i>Physical Chemistry Chemical Physics</i> , 2020 , 22, 10957-10967	3.6	11
226	Self-Assembled Monolayers with Embedded Dipole Moments for Work Function Engineering of Oxide Substrates. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 8775-8785	3.8	5
225	Electron-Induced Modification of Self-Assembled Monolayers of Aromatic Carboxylic Acids. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 25107-25120	3.8	2
224	Self-Assembled Monolayers with Distributed Dipole Moments Originating from Bipyrimidine Units. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 504-519	3.8	9
223	Tetrapodal Diazatriptycene Enforces Orthogonal Orientation in Self-Assembled Monolayers. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 6565-6572	9.5	6
222	Femtosecond Charge Transfer Dynamics in Monomolecular Films in the Context of Molecular Electronics. <i>Accounts of Chemical Research</i> , 2020 , 53, 2975-2984	24.3	6
221	Electron Transfer Dynamics and Structural Effects in Benzonitrile Monolayers with Tuned Dipole Moments by Differently Positioned Fluorine Atoms. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 39859-39869	9.5	5
220	Charge Transport Properties of Single-Component and Binary Aromatic Self-Assembled Monolayers with Methyl and Trifluoromethyl Tail Groups. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 24837-24848	3.8	7
219	Intermolecular Effects on Tunneling through Acenes in Large-Area and Single-Molecule Junctions. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 22776-22783	3.8	8
218	Pronounced Solvent Effect on the Composition of Binary Self-Assembled Monolayers with Embedded Dipole Moments. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 28596-28604	3.8	1
217	Importance of Long-Term Storage for Fluorine-Substituted Aromatic Self-Assembled Monolayers by the Example of 4-Fluorobenzene-1-Thiolate Films on Au(111). <i>Journal of Physical Chemistry C</i> , 2019 , 123, 4308-4318	3.8	5
216	Systematic experimental study of quantum interference effects in anthraquinoid molecular wires. <i>Nanoscale Advances</i> , 2019 , 1, 2018-2028	5.1	14

215	Local electronic structure of the peptide bond probed by resonant inelastic soft X-ray scattering. <i>Physical Chemistry Chemical Physics</i> , 2019 , 21, 13207-13214	3.6	7
214	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	3.6	7
213	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
212	Opto-Electroactive Amino- and Pyridyl-Terminated Monolayers of Ru(II)terpyridyl Complexes and Their Usage as Hg ²⁺ Sensors. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 6121-6129	3.8	5
211	Reestablishing Odd-Even Effects in Anthracene-Derived Monolayers by Introduction of a Pseudo-C _{2v} Symmetry. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 20362-20372	3.8	4
210	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
209	Modification of Self-Assembled Monolayers by Electron Irradiation: The Effect of Primary Energy (10500 eV). <i>Journal of Physical Chemistry C</i> , 2019 , 123, 28301-28309	3.8	10
208	A dithiocarbamate anchoring group as a flexible platform for interface engineering. <i>Physical Chemistry Chemical Physics</i> , 2019 , 21, 22511-22525	3.6	9
207	Tripod-shaped molecules: Synthesis and immobilization on Au(1 1 1) substrates. <i>Applied Surface Science</i> , 2019 , 470, 259-268	6.7	7
206	Site-specific electronic structure of imidazole and imidazolium in aqueous solutions. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 8302-8310	3.6	14
205	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
204	Dynamics of Electron Transfer in Self-Assembled Monolayers with Acene Backbone. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 4105-4115	3.8	7
203	Toward a universal polymeric material for electrode buffer layers in organic and perovskite solar cells and organic light-emitting diodes. <i>Energy and Environmental Science</i> , 2018 , 11, 682-691	35.4	15
202	Self-assembly of 1,3,5-benzenetribenzoic acid on Ag and Cu at the liquid/solid interface. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 2731-2740	3.6	12
201	Spectroscopic Study of Water Adsorption and Desorption on/from Oligo(ethylene glycol)-Substituted Alkanethiolate Self-Assembled Monolayers. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 10918-10928	3.8	4
200	ZnO as an effective hole transport layer for water resistant organic solar cells. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 6542-6550	13	5
199	Functional group selective STM Imaging in self-assembled monolayers: Benzeneselenol on Au(111). <i>Applied Surface Science</i> , 2018 , 427, 581-586	6.7	4
198	Self-Assembly of Di(pyrazol-1-yl)pyridine-benzoic Acid on Underpotentially Deposited Ag from Solution. <i>Langmuir</i> , 2018 , 34, 9654-9664	4	6

197	Mixed Monomolecular Films with Embedded Dipolar Groups on Ag(111). <i>Journal of Physical Chemistry C</i> , 2018 , 122, 19514-19523	3.8	13
196	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
195	Synergism in Bond Strength Modulation Opens an Alternative Concept for Protective Groups in Surface Chemistry. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 28839-28845	3.8	6
194	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
193	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
192	Two-Terminal Molecular Memory through Reversible Switching of Quantum Interference Features in Tunneling Junctions. <i>Angewandte Chemie</i> , 2018 , 130, 15907-15911	3.6	2
191	Characterization and Compact Modeling of Self-Aligned Short-Channel Organic Transistors. <i>IEEE Transactions on Electron Devices</i> , 2018 , 65, 4563-4570	2.9	6
190	Pyridine as a Resonantly Addressable Group to Study Electron-Transfer Dynamics in Self-Assembled Monolayers. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 12534-12544	3.8	7
189	Efficient n-Doping and Hole Blocking in Single-Walled Carbon Nanotube Transistors with 1,2,4,5-Tetrakis(tetramethylguanidino)benzene. <i>ACS Nano</i> , 2018 , 12, 5895-5902	16.7	30
188	Side-Group-Induced Polymorphism in Self-Assembled Monolayers: 3,5-Bis(trifluoromethyl)benzenethiolate Films on Au(111). <i>ChemPhysChem</i> , 2017 , 18, 702-714	3.2	7
187	Modification of Pyridine-Terminated Aromatic Self-Assembled Monolayers by Electron Irradiation. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 9982-9990	3.8	3
186	Adjustment of the Work Function of Pyridine and Pyrimidine Substituted Aromatic Self-Assembled Monolayers by Electron Irradiation. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 12834-12841	3.8	12
185	Dynamics of Electron Transfer in Azulene-Based Self-Assembled Monolayers. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 13777-13785	3.8	14
184	Effect of Electron Irradiation on Electric Transport Properties of Aromatic Self-Assembled Monolayers. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 7355-7364	3.8	9
183	Modification of Aromatic Self-Assembled Monolayers by Electron Irradiation: Basic Processes and Related Applications. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 567-576	3.8	12
182	Mixed Aliphatic Self-Assembled Monolayers with Embedded Polar Group. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 23017-23024	3.8	9
181	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
180	Covalently Assembled Monolayers of Homo- and Heteroleptic Fe -Terpyridyl Complexes on SiO and ITO-Coated Glass Substrates: An Experimental and Theoretical Study. <i>ChemPhysChem</i> , 2017 , 18, 3407-3415	3.2	8

179	X-ray Emission Spectroscopy of Proteinogenic Amino Acids at All Relevant Absorption Edges. <i>Journal of Physical Chemistry B</i> , 2017 , 121, 6549-6556	3.4	13
178	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
177	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
176	Molecular sensors confined on SiO _x substrates. <i>Coordination Chemistry Reviews</i> , 2017 , 330, 144-163	23.2	22
175	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
174	Self-Assembled Monolayers of Oligophenylencarboxylic Acids on Silver Formed at the Liquid-Solid Interface. <i>Langmuir</i> , 2016 , 32, 9397-409	4	31
173	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
172	Self-Assembled Monolayers of Pseudo-C-Symmetric, Low-Band-Gap Areneoxazolethiolates on Gold Surfaces. <i>Langmuir</i> , 2016 , 32, 11474-11484	4	10
171	Promoted Exchange Reaction between Alkanethiolate Self-Assembled Monolayers and an Azide-Bearing Substituent. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 25967-25976	3.8	10
170	Hexagons to Ribbons: Flipping Cyanide on Au{111}. <i>Journal of the American Chemical Society</i> , 2016 , 138, 15580-15586	16.4	7
169	Surface Structure and Electron Transfer Dynamics of the Self-Assembly of Cyanide on Au{111}. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 26736-26746	3.8	15
168	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
167	Transition voltages respond to synthetic reorientation of embedded dipoles in self-assembled monolayers. <i>Chemical Science</i> , 2016 , 7, 781-787	9.4	33
166	Superexchange Charge Transport in Loaded Metal Organic Frameworks. <i>ACS Nano</i> , 2016 , 10, 7085-93	16.7	48
165	Conformation-driven quantum interference effects mediated by through-space conjugation in self-assembled monolayers. <i>Nature Communications</i> , 2016 , 7, 13904	17.4	49
164	Chemical derivatization and biofunctionalization of hydrogel nanomembranes for potential biomedical and biosensor applications. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 12035-42	3.6	8
163	Self-Assembled Monolayers of Perfluoroanthracenylaminoalkane Thiolates on Gold as Potential Electron Injection Layers. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 7308-19	9.5	9
162	Investigation of the Ionic Hydration in Aqueous Salt Solutions by Soft X-ray Emission Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2016 , 120, 7687-95	3.4	17

161	Amino-terminated biphenylthiol self-assembled monolayers as highly reactive molecular templates. <i>Journal of Chemical Physics</i> , 2015 , 142, 101919	3.9	13
160	Effect of Humidity on Electrical Conductivity of Pristine and Nanoparticle-Loaded Hydrogel Nanomembranes. <i>Journal of Physical Chemistry C</i> , 2015 , 150612112548005	3.8	14
159	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
158	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
157	Thiolate versus Selenolate: Structure, Stability, and Charge Transfer Properties. <i>ACS Nano</i> , 2015 , 9, 4508-4517	10.7	54
156	Promoting Effect of Protecting Group on the Structure and Morphology of Self-Assembled Monolayers: Terphenylethanethioactate on Au(111). <i>Journal of Physical Chemistry C</i> , 2015 , 119, 25352-25363	3.8	17
155	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
154	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	3.8	19
153	The Effects of Embedded Dipoles in Aromatic Self-Assembled Monolayers. <i>Advanced Functional Materials</i> , 2015 , 25, 3943-3957	15.6	73
152	Monolayers of Biphenyl-3,4,5-tricarboxylic Acid Formed on Cu and Ag from Solution. <i>Journal of Physical Chemistry C</i> , 2015 , 150527091612000	3.8	14
151	Maskless Ultraviolet Projection Lithography with a Biorepelling Monomolecular Resist. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 494-501	3.8	12
150	Nanoscale electrical investigation of layer-by-layer grown molecular wires. <i>Advanced Materials</i> , 2014 , 26, 1688-93	24	31
149	Nitro-Substituted Aromatic Thiolate Self-Assembled Monolayers: Structural Properties and Electron Transfer upon Resonant Excitation of the Tail Group. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 26049-26060	3.8	16
148	Surface confined heteroleptic copper(II)-polypyridyl complexes for photonuclease activity. <i>Chemical Communications</i> , 2014 , 50, 11484-7	5.8	14
147	Hydrogel nanomembranes as templates for patterned deposition of nanoparticles on arbitrary substrates. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 14729-35	9.5	12
146	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
145	Catalytic oxidation of ascorbic acid via copper-polypyridyl complex immobilized on glass. <i>RSC Advances</i> , 2014 , 4, 23168-23176	3.7	16
144	UV-mediated tuning of surface biorepulsivity in aqueous environment. <i>Chemical Communications</i> , 2014 , 50, 4325-7	5.8	13

143	Enhancement of Optical and Electrochemical Properties via Bottom-Up Assembly of Binary Oligomer System. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 9578-9587	3.8	16
142	Fabrication of ssDNA/Oligo(ethylene glycol) Monolayers by Promoted Exchange Reaction with Thiol and Disulfide Substituents. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 3093-3101	3.8	3
141	Nickel Deposition on Fluorinated, Aromatic Self-Assembled Monolayers: Chemically Induced Cross-Linking as a Tool for the Preparation of Well-Defined Top Metal Films. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 11763-11773	3.8	5
140	"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
139	Ultraflexible, freestanding nanomembranes based on poly(ethylene glycol). <i>Advanced Materials</i> , 2014 , 26, 3328-32	24	19
138	Thymine/adenine diblock-oligonucleotide monolayers and hybrid brushes on gold: a spectroscopic study. <i>Biointerphases</i> , 2013 , 8, 6	1.8	7
137	Spectroscopic study of a DNA brush synthesized in situ by surface initiated enzymatic polymerization. <i>Journal of Physical Chemistry B</i> , 2013 , 117, 9929-38	3.4	9
136	Modification and patterning of nanometer-thin poly(ethylene glycol) films by electron irradiation. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 5129-38	9.5	12
135	Structure of Self-Assembled Monolayers of Partially Fluorinated Alkanethiols on GaAs(001) Substrates. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 26166-26178	3.8	13
134	Fabrication of Protein Patterns on the Basis of Short-Chain Protein-Repelling Monolayers. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 2920-2925	3.8	7
133	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
132	Accommodation of Lattice Mismatch in a Thiol Self-Assembled Monolayer. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 4647-4656	3.8	6
131	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
130	Irradiation Promoted Exchange Reaction with Disulfide Substituents. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 14534-14543	3.8	5
129	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
128	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
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	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

125	Structure of isophthalic acid based monolayers and its relation to the initial stages of growth of metal-organic coordination layers. <i>Chemical Science</i> , 2012 , 3, 1858	9.4	30
124	Modification of nitrile-terminated biphenylthiol self-assembled monolayers by electron irradiation and related applications. <i>Langmuir</i> , 2012 , 28, 9583-92	4	12
123	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
122	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
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	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
119	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
118	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
117	"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
116	X-ray spectroscopy characterization of self-assembled monolayers of nitrile-substituted oligo(phenylene ethynylene)s with variable chain length. <i>Beilstein Journal of Nanotechnology</i> , 2012 , 3, 12-24	3	15
115	Biocompatible Nanomembranes Based on PEGylation of Cross-Linked Self-Assembled Monolayers. <i>Chemistry of Materials</i> , 2012 , 24, 2965-2972	9.6	21
114	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
113	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
112	Ferromagnetic Cobalt Nanoparticles and Their Immobilization on Monomolecular Films and Chemical Templates. <i>Advanced Functional Materials</i> , 2011 , 21, 4724-4735	15.6	9
111	Impact of DNA-surface interactions on the stability of DNA hybrids. <i>Analytical Chemistry</i> , 2011 , 83, 4288-95	9.5	56
110	DNA immobilization, delivery and cleavage on solid supports. <i>Journal of Materials Chemistry</i> , 2011 , 21, 10602		25
109	Bottom-Up Assembly of Multicomponent Coordination-Based Oligomers. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 16398-16404	3.8	35
108	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

107	Gold Nanoparticle Patterning on Monomolecular Chemical Templates Fabricated by Irradiation-Promoted Exchange Reaction. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 14058-14066	3.8	11
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