

T Randall Lee

List of Publications by Year in Descending Order

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Version: 2024-04-29

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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.

273
papers

14,125
citations

59
h-index

112
g-index

406
ext. papers

15,140
ext. citations

6.1
avg, IF

6.47
L-index

#	Paper	IF	Citations
273	Multifunctional Iron Oxide Magnetic Nanoparticles for Biomedical Applications: A Review.. <i>Materials</i> , 2022 , 15,	3.5	14
272	Fe ₃ O ₄ Nanoparticles: Structures, Synthesis, Magnetic Properties, Surface Functionalization, and Emerging Applications. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 11301	2.6	18
271	Microstructuring GaAs Using Reverse-Patterning Lithography: Implications for Transistors and Solar Cells. <i>ACS Applied Electronic Materials</i> , 2021 , 3, 170-175	4	0
270	Tuning the Crystallinity and Coverage of SiO-ZnInS Core-Shell Nanoparticles for Efficient Hydrogen Generation. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 4043-4050	9.5	12
269	Antifouling Coatings Generated from Unsymmetrical Partially Fluorinated Spiroalkanedithiols.. <i>ACS Applied Bio Materials</i> , 2021 , 4, 1563-1572	4.1	6
268	Antifouling Studies of Unsymmetrical Oligo(ethylene glycol) Spiroalkanedithiol Self-Assembled Monolayers. <i>Micro</i> , 2021 , 1, 151-163		4
267	DNA Binding on Self-Assembled Monolayers Terminated with Mixtures of Ammonium and Trimethylammonium Groups: Toward a Gene-Delivery Platform. <i>ACS Applied Nano Materials</i> , 2020 , 3, 6621-6628	5.6	2
266	Confronting Racism in Chemistry Journals. <i>ACS Applied Nano Materials</i> , 2020 , 3, 6131-6133	5.6	
265	Confronting Racism in Chemistry Journals. <i>ACS Applied Polymer Materials</i> , 2020 , 2, 2496-2498	4.3	
264	Visible-Light-Active Doped Metal Oxide Nanoparticles: Review of their Synthesis, Properties, and Applications. <i>ACS Applied Nano Materials</i> , 2020 , 3, 6156-6185	5.6	70
263	Confronting Racism in Chemistry Journals. <i>Organometallics</i> , 2020 , 39, 2331-2333	3.8	
262	Mixed Phase-Incompatible Monolayers: Toward Nanoscale Anti-adhesive Coatings. <i>ACS Applied Nano Materials</i> , 2020 , 3, 4091-4101	5.6	1
261	Covalently Bound Gold Nanoparticle-Assisted Epitaxial Growth of Silicon Nanowires. <i>Crystal Growth and Design</i> , 2020 , 20, 5551-5556	3.5	1
260	Update to Our Reader, Reviewer, and Author CommunitiesApril 2020. <i>Energy & Fuels</i> , 2020 , 34, 5107-5108	4.1	
259	Update to Our Reader, Reviewer, and Author CommunitiesApril 2020. <i>Organometallics</i> , 2020 , 39, 1665-1666	4.1	
258	Confronting Racism in Chemistry Journals. <i>Journal of Chemical Health and Safety</i> , 2020 , 27, 198-200	1.7	
257	Burying the Inverted Surface Dipole: Self-Assembled Monolayers Derived from Alkyl-Terminated Partially Fluorinated Alkanethiols. <i>Chemistry of Materials</i> , 2020 , 32, 953-968	9.6	3

256	Optically Tunable Tin Oxide-Coated Hollow Gold-Silver Nanorattles for Use in Solar-Driven Applications. <i>ACS Omega</i> , 2020 , 5, 23769-23777	3.9	2
255	Antimony- and Zinc-Doped Tin Oxide Shells Coated on Gold Nanoparticles and Gold/Silver Nanoshells Having Tunable Extinctions for Sensing and Photonic Applications. <i>ACS Applied Nano Materials</i> , 2020 , 3, 8958-8971	5.6	3
254	Silica-coated magnesium ferrite nanoadsorbent for selective removal of methylene blue. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020 , 606, 125483	5.1	6
253	Nanoparticle-Based Strategies to Combat COVID-19. <i>ACS Applied Nano Materials</i> , 2020 , 3, 8557-8580	5.6	90
252	Surface Dipoles Induce Uniform Orientation in Contacting Polar Liquids. <i>Chemistry of Materials</i> , 2020 , 32, 7832-7841	9.6	8
251	Multicolor Chemical Imaging by Sum Frequency Generation Imaging Microscopy of Monolayers on Metal Surfaces. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 16908-16917	3.8	4
250	Semihollow Core-Shell Nanoparticles with Porous SiO Shells Encapsulating Elemental Sulfur for Lithium-Sulfur Batteries. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 47368-47376	9.5	6
249	Olefin-Bridged Bidentate Adsorbates for Generating Self-Assembled Monolayers on Gold. <i>Langmuir</i> , 2020 , 36, 10699-10707	4	2
248	Superiority of an Asymmetric Perylene Diimide in Terms of Hydrosolubility, G-Quadruplex Binding, Cellular Uptake, and Telomerase Inhibition in Prostate Cancer Cells. <i>ACS Omega</i> , 2020 , 5, 29733-29745	3.9	3
247	Mimicking Polymer Surfaces Using Cyclohexyl- and Perfluorocyclohexyl-Terminated Self-Assembled Monolayers. <i>ACS Applied Nano Materials</i> , 2019 , 2, 5809-5816	5.6	4
246	Uniformly Spherical and Monodisperse Antimony- and Zinc-Doped Tin Oxide Nanoparticles for Optical and Electronic Applications. <i>ACS Applied Nano Materials</i> , 2019 , 2, 6554-6564	5.6	14
245	Capture and conversion of carbon dioxide by solar heat localization. <i>Sustainable Energy and Fuels</i> , 2019 , 3, 272-279	5.8	9
244	Telomerase Inhibition, Telomere Shortening, and Cellular Uptake of the Perylene Derivatives PM2 and PIPER in Prostate Cancer Cells. <i>Biological and Pharmaceutical Bulletin</i> , 2019 , 42, 906-914	2.3	2
243	Hydrogel-Encapsulated Mesoporous Silica-Coated Gold Nanoshells for Smart Drug Delivery. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	6
242	Porous silver-coated pNIPAM-AAc hydrogel nanocapsules. <i>Beilstein Journal of Nanotechnology</i> , 2019 , 10, 1973-1982	3	4
241	Poly(1,4-phenylene vinylene) Derivatives with Ether Substituents to Improve Polymer Solubility for Use in Organic Light-Emitting Diode Devices. <i>ACS Omega</i> , 2019 , 4, 22332-22344	3.9	4
240	Full Spectrum Solar Thermal Energy Harvesting and Storage by a Molecular and Phase-Change Hybrid Material. <i>Joule</i> , 2019 , 3, 3100-3111	27.8	45
239	Sum Frequency Generation Imaging Microscopy of Self-Assembled Monolayers on Metal Surfaces: Factor Analysis of Mixed Monolayers. <i>Analytical Chemistry</i> , 2019 , 91, 1269-1276	7.8	7

238	Contrasting Transport and Electrostatic Properties of Selectively Fluorinated Alkanethiol Monolayers with Embedded Dipoles. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 4881-4890	3.8	8
237	Temperature-Responsive Hydrogel-Coated Gold Nanoshells. <i>Gels</i> , 2018 , 4,	4.2	11
236	Specific Detection of Proteins Using Exceptionally Responsive Magnetic Particles. <i>Analytical Chemistry</i> , 2018 , 90, 6749-6756	7.8	8
235	Inhibiting Reductive Elimination as an Intramolecular Disulfide Dramatically Enhances the Thermal Stability of SAMs on Gold Derived from Bidentate Adsorbents. <i>Langmuir</i> , 2018 , 34, 6645-6652	4	5
234	Hydrophilic surfaces via the self-assembly of nitrile-terminated alkanethiols on gold. <i>AIMS Materials Science</i> , 2018 , 5, 171-189	1.9	2
233	Broadening the photoresponsive activity of anatase titanium dioxide particles via decoration with partial gold shells. <i>Journal of Colloid and Interface Science</i> , 2018 , 513, 715-725	9.3	3
232	Vibrational response of clusters of FeO nanoparticles patterned on glass surfaces investigated with magnetic sample modulation AFM. <i>Nanoscale</i> , 2018 , 10, 20426-20434	7.7	1
231	Unsymmetrical Spiroalkanedithiols Having Mixed Fluorinated and Alkyl Tailgroups of Varying Length: Film Structure and Interfacial Properties. <i>Molecules</i> , 2018 , 23,	4.8	7
230	Ginger Extract Promotes Telomere Shortening and Cellular Senescence in A549 Lung Cancer Cells. <i>ACS Omega</i> , 2018 , 3, 18572-18581	3.9	7
229	Bimetallic Nanoparticles: Enhanced Magnetic and Optical Properties for Emerging Biological Applications. <i>Applied Sciences (Switzerland)</i> , 2018 , 8, 1106	2.6	119
228	Quaternary Ammonium-Terminated Films Formed from Mixed Bidentate Adsorbates Provide a High-Capacity Platform for Oligonucleotide Delivery. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 40890-40900	9.5	2
227	Digestive Ripening of Au Nanoparticles Using Multidentate Ligands. <i>Langmuir</i> , 2017 , 33, 1943-1950	4	18
226	Structure, Wettability, and Thermal Stability of Organic Thin-Films on Gold Generated from the Molecular Self-Assembly of Unsymmetrical Oligo(ethylene glycol) Spiroalkanedithiols. <i>Langmuir</i> , 2017 , 33, 1751-1762	4	13
225	Bidentate Aromatic Thiols on Gold: New Insight Regarding the Influence of Branching on the Structure, Packing, Wetting, and Stability of Self-Assembled Monolayers on Gold Surfaces. <i>Langmuir</i> , 2017 , 33, 4396-4406	4	21
224	Magnetic Microorganisms: Using Chemically Functionalized Magnetic Nanoparticles To Observe and Control Paramecia. <i>Journal of Chemical Education</i> , 2017 , 94, 85-90	2.4	
223	DNA Loading and Release Using Custom-Tailored Poly(L-lysine) Surfaces. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 23370-23378	9.5	6
222	Homogeneously Mixed Monolayers: Emergence of Compositionally Conflicted Interfaces. <i>Langmuir</i> , 2017 , 33, 8839-8855	4	12
221	A Nanoparticle-Decorated Biomolecule-Responsive Polymer Enables Robust Signaling Cascade for Biosensing. <i>Advanced Materials</i> , 2017 , 29, 1702090	24	15

220	Spin-Glass Behavior in Graphene Oxide Powders Induced by Nonmagnetic Sodium Sulfate. <i>Chemistry of Materials</i> , 2017 , 29, 3873-3882	9.6	3
219	Spin-Valve based magnetoresistive nanoparticle detector for applications in biosensing. <i>Sensors and Actuators A: Physical</i> , 2017 , 265, 174-180	3.9	8
218	Magnetic Sensing Potential of FeO Nanocubes Exceeds That of FeO Nanospheres. <i>ACS Omega</i> , 2017 , 2, 8010-8019	3.9	24
217	Near-infrared-responsive, superparamagnetic Au@Co nanochains. <i>Beilstein Journal of Nanotechnology</i> , 2017 , 8, 1680-1687	3	
216	Ultrasensitive Magnetic Nanoparticle Detector for Biosensor Applications. <i>Sensors</i> , 2017 , 17,	3.8	20
215	Biosensing Using Magnetic Particle Detection Techniques. <i>Sensors</i> , 2017 , 17,	3.8	87
214	Advanced drug delivery via self-assembled monolayer-coated nanoparticles. <i>AIMS Bioengineering</i> , 2017 , 4, 275-299	3.4	14
213	Conditioning of Cardiovascular Tissue Using a Noncontact Magnetic Stretch Bioreactor with Embedded Magnetic Nanoparticles. <i>ACS Biomaterials Science and Engineering</i> , 2016 , 2, 1619-1629	5.5	7
212	Enzymatic conversion of magnetic nanoparticles to a non-magnetic precipitate: a new approach to magnetic sensing. <i>Analyst, The</i> , 2016 , 141, 5246-51	5	3
211	Robust Maleimide-Functionalized Gold Surfaces and Nanoparticles Generated Using Custom-Designed Bidentate Adsorbates. <i>Langmuir</i> , 2016 , 32, 7306-15	4	9
210	Preparation of THPC-generated silver, platinum, and palladium nanoparticles and their use in the synthesis of Ag, Pt, Pd, and Pt/Ag nanoshells. <i>RSC Advances</i> , 2016 , 6, 68150-68159	3.7	13
209	Entropy-Driven Conformational Control of Bidentate-Dithiol Azo-Based Adsorbates Enables the Fabrication of Thermally Stable Surface-Grafted Polymer Films. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 15691-9	9.5	5
208	Quantitatively Resolving Ligand-Receptor Bonds on Cell Surfaces Using Force-Induced Remnant Magnetization Spectroscopy. <i>ACS Central Science</i> , 2016 , 2, 75-9	16.8	4
207	Impedance Biosensor Incorporating a Carboxylate-Terminated Bidentate Thiol for Antibody Immobilization. <i>Journal of the Electrochemical Society</i> , 2016 , 163, B125-B130	3.9	13
206	Plasmonically Enhanced Photocatalytic Hydrogen Production from Water: The Critical Role of Tunable Surface Plasmon Resonance from Gold-Silver Nanoshells. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 9152-61	9.5	33
205	Robust Thick Polymer Brushes Grafted from Gold Surfaces Using Bidentate Thiol-Based Atom-Transfer Radical Polymerization Initiators. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 5586-94	9.5	24
204	Two Are Better than One: Bidentate Adsorbates Offer Precise Control of Interfacial Composition and Properties. <i>Chemistry of Materials</i> , 2016 , 28, 5356-5364	9.6	15
203	Multi-responsive hybrid particles: thermo-, pH-, photo-, and magneto-responsive magnetic hydrogel cores with gold nanorod optical triggers. <i>Nanoscale</i> , 2016 , 8, 11851-61	7.7	42

202	Surface modification with zwitterionic cysteine betaine for nanoshell-assisted near-infrared plasmonic hyperthermia. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016 , 145, 291-300	6	12
201	Semifluorinated Alkylphosphonic Acids Form High-Quality Self-Assembled Monolayers on Ag-Coated Yttrium Barium Copper Oxide Tapes and Enable Filamentization of the Tapes by Microcontact Printing. <i>Langmuir</i> , 2016 , 32, 8623-30	4	3
200	Silver-Free Gold Nanocages with Near-Infrared Extinctions. <i>ACS Omega</i> , 2016 , 1, 456-463	3.9	7
199	Enzymatic synthesis of magnetic nanoparticles. <i>International Journal of Molecular Sciences</i> , 2015 , 16, 7535-50	6.3	7
198	Poly(L-lysine) Interfaces via Dual Click Reactions on Surface-Bound Custom-Designed Dithiol Adsorbates. <i>Langmuir</i> , 2015 , 31, 6154-63	4	15
197	Bioinspired Zwitterionic Surface Coatings with Robust Photostability and Fouling Resistance. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 23776-86	9.5	42
196	Surface Dipoles: A Growing Body of Evidence Supports Their Impact and Importance. <i>Accounts of Chemical Research</i> , 2015 , 48, 3007-15	24.3	67
195	Inverted Surface Dipoles in Fluorinated Self-Assembled Monolayers. <i>Chemistry of Materials</i> , 2015 , 27, 7433-7446	9.6	24
194	Morphological control and plasmonic tuning of nanoporous gold disks by surface modifications. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 247-252	7.1	44
193	The Development of Smart, Multi-Responsive Core@Shell Composite Nanoparticles 2015 ,		1
192	Self-Assembled Monolayers Generated from Unsymmetrical Partially Fluorinated Spiroalkanedithiols. <i>Langmuir</i> , 2015 , 31, 13341-9	4	11
191	Gold nanoshell-decorated silicone surfaces for the near-infrared (NIR) photothermal destruction of the pathogenic bacterium <i>E. faecalis</i> . <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 3981-93	9.5	64
190	Boc-protected amino alkanedithiols provide chemically and thermally stable amine-terminated monolayers on gold. <i>Langmuir</i> , 2015 , 31, 2136-46	4	18
189	Colloidal stability evolution and completely reversible aggregation of gold nanoparticles functionalized with rationally designed free radical initiators. <i>Colloid and Polymer Science</i> , 2014 , 292, 411-421	2.4	9
188	In situ growth of hollow gold-silver nanoshells within porous silica offers tunable plasmonic extinctions and enhanced colloidal stability. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 19943-50	9.5	24
187	Internal and external morphology-dependent plasmonic resonance in monolithic nanoporous gold nanoparticles. <i>RSC Advances</i> , 2014 , 4, 36682-36688	3.7	31
186	Electrochemical properties of an AgInS ₂ photoanode prepared using ultrasonic-assisted chemical bath deposition. <i>RSC Advances</i> , 2014 , 4, 35215-35223	3.7	12
185	Persistent luminescence strontium aluminate nanoparticles as reporters in lateral flow assays. <i>Analytical Chemistry</i> , 2014 , 86, 9481-8	7.8	82

184	Synthesis and characterization of poly(2,5-didecyl-1,4-phenylene vinylene), poly(2,5-didecyloxy-1,4-phenylene vinylene), and their alternating copolymer. <i>Journal of Applied Polymer Science</i> , 2014 , 131, n/a-n/a	2.9	5
183	In Situ Vibrational Study of the Reductive Desorption of Alkanethiol Monolayers on Gold by Sum Frequency Generation Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 29126-29134	3.8	29
182	Monolithic NPG nanoparticles with large surface area, tunable plasmonics, and high-density internal hot-spots. <i>Nanoscale</i> , 2014 , 6, 8199-207	7.7	69
181	Self-assembled monolayers on gold generated from terminally perfluorinated alkanethiols bearing propyl vs. ethyl hydrocarbon spacers. <i>Journal of Fluorine Chemistry</i> , 2014 , 168, 128-136	2.1	9
180	Preparation and characterization of polymeric thin films containing gold nanoshells via electrostatic layer-by-layer self-assembly. <i>Thin Solid Films</i> , 2014 , 558, 200-207	2.2	9
179	Nanoscale lithography mediated by surface self-assembly of 16-[3,5-bis(mercaptomethyl)phenoxy]hexadecanoic acid on Au(111) investigated by scanning probe microscopy. <i>Molecules</i> , 2014 , 19, 13010-26	4.8	8
178	Surface assembly and nanofabrication of 1,1,1-tris(mercaptomethyl)heptadecane on Au(111) studied with time-lapse atomic force microscopy. <i>Beilstein Journal of Nanotechnology</i> , 2014 , 5, 26-35	3	5
177	Curcuminoid derivatives enhance telomerase activity in an in vitro TRAP assay. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2014 , 24, 5242-6	2.9	10
176	Synthesis, characterization, and relative stabilities of self-assembled monolayers on gold generated from bidentate n-alkyl xanthic acids. <i>Langmuir</i> , 2013 , 29, 10674-83	4	12
175	Robust carboxylic acid-terminated organic thin films and nanoparticle protectants generated from bidentate alkanethiols. <i>Langmuir</i> , 2013 , 29, 10432-9	4	25
174	The impact of fluorination on the structure and properties of self-assembled monolayer films. <i>Soft Matter</i> , 2013 , 9, 6356	3.6	50
173	Transparent, Homogeneous Tin Oxide (SnO ₂) Thin Films Containing SnO ₂ -Coated Gold Nanoparticles. <i>Chemistry of Materials</i> , 2013 , 25, 4697-4702	9.6	17
172	Tuning the magnetic properties of nanoparticles. <i>International Journal of Molecular Sciences</i> , 2013 , 14, 15977-6009	6.3	497
171	Telomere shortening and cell senescence induced by perylene derivatives in A549 human lung cancer cells. <i>Bioorganic and Medicinal Chemistry</i> , 2013 , 21, 883-90	3.4	28
170	Chemical investigation of Fe ³⁺ /Nb ⁵⁺ -doped barium titanate ceramics. <i>Ceramics International</i> , 2013 , 39, S591-S594	5.1	15
169	Filamentization of YBCO Coated Conductors by Microcontact Printing. <i>IEEE Transactions on Applied Superconductivity</i> , 2013 , 23, 6601304-6601304	1.8	2
168	Preparation, characterization, and utilization of multi-functional magnetic-fluorescent composites for bio-imaging and magnetic hyperthermia therapy. <i>RSC Advances</i> , 2013 , 3, 7838	3.7	20
167	Contact Angle and Wetting Properties. <i>Springer Series in Surface Sciences</i> , 2013 , 3-34	0.4	542

166	Cubic Silica-Coated and Amine-Functionalized FeCo Nanoparticles with High Saturation Magnetization. <i>Chemistry of Materials</i> , 2013 , 25, 1092-1097	9.6	39
165	Image Contrast in Sum Frequency Generation Microscopy Based on Monolayer Order and Coverage. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 15192-15202	3.8	19
164	Self-assembled monolayer films derived from tridentate cyclohexyl adsorbates with alkyl tailgroups of increasing chain length. <i>Langmuir</i> , 2013 , 29, 14108-16	4	16
163	Tridentate adsorbates with cyclohexyl headgroups assembled on gold. <i>Langmuir</i> , 2013 , 29, 561-9	4	27
162	Monodisperse SnO ₂ -coated gold nanoparticles are markedly more stable than analogous SiO ₂ -coated gold nanoparticles. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 2479-84	9.5	30
161	Characterization of SAMs Derived from Octadecyloxyphenylethanethiols by Sum Frequency Generation. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 9355-9365	3.8	11
160	Down-regulation of the human VEGF gene expression by perylene monoimide derivatives. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2012 , 22, 518-22	2.9	19
159	Palladium nanoshells coated with self-assembled monolayers and their catalytic properties. <i>RSC Advances</i> , 2012 , 2, 3968	3.7	24
158	Fibrillar self-organization of a line-active partially fluorinated thiol within binary self-assembled monolayers. <i>Langmuir</i> , 2012 , 28, 16834-44	4	9
157	Line tension and line activity in mixed monolayers composed of aliphatic and terphenyl-containing surfactants. <i>Langmuir</i> , 2012 , 28, 16294-9	4	5
156	Properties of single-walled carbon nanotube-based poly(phenylene vinylene) electroluminescent nanocomposites. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2012 , 50, 272-279	2.6	10
155	Ultrasmall hollow gold-silver nanoshells with extinctions strongly red-shifted to the near-infrared. <i>ACS Applied Materials & Interfaces</i> , 2011 , 3, 3616-24	9.5	67
154	Self-Assembled Monolayers: the Development of Functional Nanoscale Films 2011 , 151-217		6
153	Stability: A key issue for self-assembled monolayers on gold as thin-film coatings and nanoparticle protectants. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2011 , 390, 1-19	5.1	150
152	Chemical changes of PNN ceramics induced by ion bombardment and characterized by X-ray photoelectron spectroscopy. <i>Current Applied Physics</i> , 2011 , 11, S82-S85	2.6	2
151	Thermo- and pH-responsive hydrogel-coated gold nanoparticles prepared from rationally designed surface-confined initiators. <i>Journal of Nanoparticle Research</i> , 2011 , 13, 2909-2918	2.3	14
150	Asymmetric Thioethers as Building Blocks for Chiral Monolayers. <i>Topics in Catalysis</i> , 2011 , 54, 1357-1367	2.3	15
149	New light-emitting poly{(9,9-di-n-octylfluorenediyl vinylene)-alt-[1,5-(2,6-dioctyloxy)naphthalene vinylene]}. <i>Polymer International</i> , 2011 , 60, 660-665	3.3	14

148	Gold-Nanoparticle- and Gold-Nanoshell-Induced Polymorphism in Poly(vinylidene fluoride). <i>Macromolecular Materials and Engineering</i> , 2011 , 296, 178-184	3.9	60
147	Self-assembled monolayers derived from alkoxyphenylethanethiols having one, two, and three pendant chains. <i>Langmuir</i> , 2011 , 27, 9920-7	4	10
146	Multidentate adsorbates for self-assembled monolayer films. <i>Accounts of Chemical Research</i> , 2011 , 44, 511-9	24.3	133
145	Solution-Phase Desorption of Self-Assembled Monolayers on Gold Derived From Terminally Perfluorinated Alkanethiols. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 19749-19760	3.8	17
144	Chemical Imaging and Distribution Analysis of Mono-, Bi-, and Tridentate Alkanethiol Self-Assembled Monolayers on Gold by Sum Frequency Generation Imaging Microscopy. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 4688-4695	3.8	21
143	Analysis of the Wettability of Partially Fluorinated Polymers Reveals the Surprisingly Strong Acid-Base Character of Poly(vinylidene Fluoride). <i>Bulletin of the Korean Chemical Society</i> , 2011 , 32, 41-48 ^{1,2}		10
142	Ginger extract inhibits human telomerase reverse transcriptase and c-Myc expression in A549 lung cancer cells. <i>Journal of Medicinal Food</i> , 2010 , 13, 1347-54	2.8	28
141	Odd/Even Effects in the Friction of Self-Assembled Monolayers of Phenyl-Terminated Alkanethiols in Contacts of Different Adhesion Strengths. <i>Journal of Adhesion Science and Technology</i> , 2010 , 24, 2511-2529		19
140	Visualizing the lower critical solution temperature phase transition of individual poly(nipam)-based hydrogel particles using near-infrared multispectral imaging microscopy. <i>Analytical Chemistry</i> , 2010 , 82, 1698-704	7.8	3
139	Self-assembly of linactants: micelles and lyotropic liquid crystals in two dimensions. <i>Journal of Physical Chemistry B</i> , 2010 , 114, 8616-20	3.4	12
138	Thermal stability of mono-, bis-, and tris-chelating alkanethiol films assembled on gold nanoparticles and evaporated "flat" gold. <i>Langmuir</i> , 2010 , 26, 41-6	4	40
137	Can cyclopropyl-terminated self-assembled monolayers on gold be used to mimic the surface of polyethylene?. <i>ACS Applied Materials & Interfaces</i> , 2010 , 2, 1254-65	9.5	6
136	Light-induced covalent immobilization of monolayers of magnetic nanoparticles on hydrogen-terminated silicon. <i>ACS Applied Materials & Interfaces</i> , 2010 , 2, 2789-96	9.5	19
135	Defect-free Poly(9,9-bis(2-ethylhexyl)fluorene-2,7-vinylene) for Polymer Light-Emitting Diode (PLED) Devices. <i>Journal of Polymer Research</i> , 2010 , 17, 347-353	2.7	6
134	Semi-fluorinated phosphonic acids form stable nanoscale clusters in Langmuir-Blodgett and self-assembled monolayers. <i>Soft Matter</i> , 2009 , 5, 750	3.6	16
133	Surfactant-Controlled Size and Shape Evolution of Magnetic Nanoparticles. <i>Crystal Growth and Design</i> , 2009 , 9, 32-34	3.5	45
132	Monolayer-protected gold nanoparticles prepared using long-chain alkanethioacetates. <i>Langmuir</i> , 2009 , 25, 13855-60	4	41
131	Visualizing the size, shape, morphology, and localized surface plasmon resonance of individual gold nanoshells by near-infrared multispectral imaging microscopy. <i>Analytical Chemistry</i> , 2009 , 81, 6687-94	7.8	14

130	Electric Potential Stability and Ionic Permeability of SAMs on Gold Derived from Bidentate and Tridentate Chelating Alkanethiols. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 3717-3725	3.8	41
129	Gated electron transfer of cytochrome c6 at biomimetic interfaces: a time-resolved SERR study. <i>Physical Chemistry Chemical Physics</i> , 2009 , 11, 7390-7	3.6	23
128	Gold, palladium, and gold-palladium alloy nanoshells on silica nanoparticle cores. <i>ACS Applied Materials & Interfaces</i> , 2009 , 1, 1063-9	9.5	34
127	SAMs on gold derived from the direct adsorption of alkanethioacetates are inferior to those derived from the direct adsorption of alkanethiols. <i>Langmuir</i> , 2009 , 25, 1265-71	4	69
126	Correlating linactant efficiency and self-assembly: structural basis of line activity in molecular monolayers. <i>Langmuir</i> , 2009 , 25, 8056-61	4	20
125	Tuning the Effective Work Function of Gold and Silver Using π -Functionalized Alkanethiols: Varying Surface Composition through Dilution and Choice of Terminal Groups. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 20328-20334	3.8	107
124	Rationally designed ligands that inhibit the aggregation of large gold nanoparticles in solution. <i>Journal of the American Chemical Society</i> , 2008 , 130, 113-20	16.4	134
123	Preparation, characterization, and chemical stability of gold nanoparticles coated with mono-, bis-, and tris-chelating alkanethiols. <i>Langmuir</i> , 2008 , 24, 7750-4	4	46
122	Facile synthesis, assembly, and immobilization of ordered arrays of monodisperse magnetic nanoparticles on silicon substrates. <i>Chemical Communications</i> , 2008 , 4989-91	5.8	13
121	Magnetization reversal and magnetic anisotropy in patterned Co/Pd multilayer thin films. <i>Journal of Applied Physics</i> , 2008 , 103, 023920	2.5	16
120	Sum Frequency Generation Imaging Microscopy of Patterned Self-Assembled Monolayers with Terminal -CH_3 , -DCH_3 , $\text{-F}_2\text{CF}_3$, $\text{-C}\equiv\text{C}$, -Phenyl , and -Cyclopropyl Groups. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 14529-14537	3.8	23
119	Chain-length dependent nematic ordering of conjugated polymers in a liquid crystal solvent. <i>Journal of the American Chemical Society</i> , 2008 , 130, 12262-3	16.4	12
118	The wettability of fluoropolymer surfaces: influence of surface dipoles. <i>Langmuir</i> , 2008 , 24, 4817-26	4	107
117	Self-assembled monolayers derived from a double-chained monothiol having chemically dissimilar chains. <i>Langmuir</i> , 2008 , 24, 10204-8	4	16
116	Linactants: surfactant analogues in two dimensions. <i>Physical Review Letters</i> , 2008 , 100, 037802	7.4	58
115	Experimental and theoretical studies of the effect of mass on the dynamics of gas/organic-surface energy transfer. <i>Journal of Chemical Physics</i> , 2008 , 128, 014713	3.9	30
114	Structural Characterization and Optical Properties of Light-Emitting Poly(9,9-didecylfluorenyl-2,7-vinylene) (PFV) Generated Via Horner-Emmons Polycondensation. <i>Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi]</i> , 2008 , 21, 339-346	0.7	4
113	Effective van der Waals surface energy of self-assembled monolayer films having systematically varying degrees of molecular fluorination. <i>Journal of Colloid and Interface Science</i> , 2008 , 320, 264-7	9.3	26

112	Aliphatic dithiocarboxylic acids: New adsorbates for soft lithographic patterning. <i>Applied Surface Science</i> , 2008 , 254, 7064-7068	6.7	11
111	Preparation, characterization, and optical properties of gold, silver, and gold-silver alloy nanoshells having silica cores. <i>Langmuir</i> , 2008 , 24, 11147-52	4	129
110	Swelling of a cluster phase in Langmuir monolayers containing semi-fluorinated phosphonic acids. <i>Soft Matter</i> , 2007 , 3, 1518-1524	3.6	8
109	Sum Frequency Generation Imaging of Microcontact-Printed Monolayers Derived from Aliphatic Dithiocarboxylic Acids: Contrast Based on Terminal-Group Orientation. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 11751-11755	3.8	26
108	Vibronic coupling in semifluorinated alkanethiol junctions: implications for selection rules in inelastic electron tunneling spectroscopy. <i>Nano Letters</i> , 2007 , 7, 1364-8	11.5	61
107	4-Mercaptophenylboronic acid SAMs on gold: comparison with SAMs derived from thiophenol, 4-mercaptophenol, and 4-mercaptobenzoic acid. <i>Langmuir</i> , 2007 , 23, 8866-75	4	99
106	Orientation of 1-Butyl-3-methylimidazolium Based Ionic Liquids at a Hydrophobic Quartz Interface Using Sum Frequency Generation Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 240-247	3.8	48
105	Hydrogel-templated growth of large gold nanoparticles: synthesis of thermally responsive hydrogel-nanoparticle composites. <i>Langmuir</i> , 2007 , 23, 6504-9	4	95
104	Direct imaging by atomic force microscopy of surface-localized self-assembled monolayers on a cuprate superconductor and surface X-ray scattering analysis of analogous monolayers on the surface of water. <i>Thin Solid Films</i> , 2007 , 515, 8424-8429	2.2	
103	Rise of the nanomachine: the evolution of a revolution in medicine. <i>Nanomedicine</i> , 2007 , 2, 425-39	5.6	14
102	On the Physics of Magnetic Anisotropy in Co/Pd Multilayer Thin Films. <i>Materials Research Society Symposia Proceedings</i> , 2007 , 998, 1		
101	Curcuminoids purified from turmeric powder modulate the function of human multidrug resistance protein 1 (ABCC1). <i>Cancer Chemotherapy and Pharmacology</i> , 2006 , 57, 376-88	3.5	91
100	The influence of pH on the G-quadruplex binding selectivity of perylene derivatives. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2006 , 16, 4120-6	2.9	46
99	Laser-scanning lithography (LSL) for the soft lithographic patterning of cell-adhesive self-assembled monolayers. <i>Biotechnology and Bioengineering</i> , 2006 , 93, 1060-8	4.9	47
98	Discrete thermally responsive hydrogel-coated gold nanoparticles for use as drug-delivery vehicles. <i>Drug Development Research</i> , 2006 , 67, 61-69	5.1	70
97	Annealing Study of (Co/Pd) N Magnetic Multilayers for Applications in Bit-Patterned Magnetic Recording Media. <i>Materials Research Society Symposia Proceedings</i> , 2006 , 961, 1		
96	Preparation and Characterization of Palladium Shells with Gold and Silica Cores. <i>Chemistry of Materials</i> , 2006 , 18, 4115-4120	9.6	45
95	Facile HornerEmmons Synthesis of Defect-Free Poly(9,9-dialkylfluorenyl-2,7-vinylene). <i>Macromolecules</i> , 2006 , 39, 3494-3499	5.5	62

94	Comparative study of the adhesion, friction, and mechanical properties of CF ₃ - and CH ₃ -terminated alkanethiol monolayers. <i>Langmuir</i> , 2005 , 21, 3926-32	4	68
93	Local packing environment strongly influences the frictional properties of mixed CH ₃ - and CF ₃ -terminated alkanethiol SAMs on Au(111). <i>Langmuir</i> , 2005 , 21, 933-6	4	50
92	Probing the local structure and mechanical response of nanostructures using force modulation and nanofabrication. <i>Langmuir</i> , 2005 , 21, 8422-8	4	17
91	Systematic control of the packing density of self-assembled monolayers using bidentate and tridentate chelating alkanethiols. <i>Langmuir</i> , 2005 , 21, 2902-11	4	106
90	Synthesis of tetraoctylammonium-protected gold nanoparticles with improved stability. <i>Langmuir</i> , 2005 , 21, 5689-92	4	86
89	Model Glycol-Terminated Surfaces for Adhesion Resistance 2005 , 81, 1031-1048		9
88	Carbon-Bridged Ferrocenophanes 2005 , 131-157		4
87	Patterned networks of mouse hippocampal neurons on peptide-coated gold surfaces. <i>Biomaterials</i> , 2005 , 26, 883-9	15.6	56
86	Synthesis and Ring-Opening Metathesis Polymerization of Aryl-Substituted 1,1'-(1,3-Butadienylen)ferrocenes. <i>Macromolecules</i> , 2005 , 38, 2564-2573	5.5	25
85	ROMP of t-butyl-substituted ferrocenophanes affords soluble conjugated polymers that contain ferrocene moieties in the backbone. <i>Tetrahedron</i> , 2004 , 60, 7225-7235	2.4	43
84	Well-ordered self-assembled monolayer surfaces can be used to enhance the growth of protein crystals. <i>Colloids and Surfaces B: Biointerfaces</i> , 2004 , 34, 191-6	6	31
83	Statistics of heterogeneous nucleation of supercooled aqueous solutions in a self-assembled monolayer-coated container. <i>Chemical Physics Letters</i> , 2004 , 385, 441-445	2.5	16
82	Stability of Aliphatic Dithiocarboxylic Acid Self-Assembled Monolayers on Gold. <i>Journal of Physical Chemistry B</i> , 2004 , 108, 2648-2653	3.4	33
81	Reversible Olefin-Hydride Insertion in the Cationic Ruthenium Complexes [(η -C ₆ H ₅ CH ₂ CH ₂ PR ₂)RuH(CH ₂ CH ₂) ⁺]. <i>Organometallics</i> , 2004 , 23, 1448-1452	3.8	25
80	Loosely packed self-assembled monolayers on gold generated from 2-alkyl-2-methylpropane-1,3-dithiols. <i>Langmuir</i> , 2004 , 20, 5829-36	4	46
79	Use of DMF as Solvent Allows for the Facile Synthesis of Soluble MEHBPV. <i>Macromolecules</i> , 2004 , 37, 8883-8887	5.5	19
78	Thermo- and pH-Responsive Hydrogel-Coated Gold Nanoparticles. <i>Chemistry of Materials</i> , 2004 , 16, 3647-3651	17.5	175
77	Fluorinated self-assembled monolayers: composition, structure and interfacial properties. <i>Current Opinion in Colloid and Interface Science</i> , 2003 , 8, 236-242	7.6	74

76	Interface Dipoles Arising from Self-Assembled Monolayers on Gold: UV Photoemission Studies of Alkanethiols and Partially Fluorinated Alkanethiols. <i>Journal of Physical Chemistry B</i> , 2003 , 107, 11690-11699	3.4	381
75	Structure, Wettability, and Electrochemical Barrier Properties of Self-Assembled Monolayers Prepared from Partially Fluorinated Hexadecanethiols. <i>Journal of Physical Chemistry B</i> , 2003 , 107, 11626-11632	3.9	39
74	Reactions of $(\beta\text{-C}_6\text{H}_5\text{CH}_2\text{CH}_2\text{PR}_2)\text{Ru}(\text{CH}_3)_2$ (R = Cy, Ph) with $[\text{H}(\text{Et}_2\text{O})_2][\text{B}(\text{3,5-C}_6\text{H}_3(\text{CF}_3)_2)_4]$ in the Presence of Carbon Monoxide, Acetylene, Ethylene, and Norbornene. <i>Organometallics</i> , 2003 , 22, 3066-3076	3.8	19
73	Attenuation Lengths of Photoelectrons in Fluorocarbon Films. <i>Journal of Physical Chemistry B</i> , 2003 , 107, 10216-10220	3.4	17
72	Wettabilities of Self-Assembled Monolayers on Gold Generated from Progressively Fluorinated Alkanethiols. <i>Langmuir</i> , 2003 , 19, 3288-3296	4	102
71	Structure and Wettability of Methoxy-Terminated Self-Assembled Monolayers on Gold. <i>Langmuir</i> , 2003 , 19, 10217-10224	4	25
70	Neutralization of methyl cation via chemical reactions in low-energy ion-surface collisions with fluorocarbon and hydrocarbon self-assembled monolayer films. <i>Journal of the American Society for Mass Spectrometry</i> , 2002 , 13, 1151-61	3.5	11
69	Preparation and Characterization of Gold Nanoshells Coated with Self-Assembled Monolayers. <i>Langmuir</i> , 2002 , 18, 4915-4920	4	380
68	Anchoring and orientational wetting of nematic liquid crystals on semi-fluorinated self-assembled monolayer surfaces. <i>Europhysics Letters</i> , 2002 , 59, 410-416	1.6	26
67	Low-Energy Ion Surface Collisions Characterize Alkyl- and Fluoroalkyl-Terminated Self-Assembled Monolayers on Gold. <i>Langmuir</i> , 2002 , 18, 3895-3902	4	31
66	Self-Assembled Monolayers Composed of Aromatic Thiols on Gold: Structural Characterization and Thermal Stability in Solution. <i>Langmuir</i> , 2002 , 18, 2717-2726	4	82
65	Synthesis, characterization and reactivity of $\text{ReO}(\text{Me})_2(\text{bipy})\text{X}$ complexes. <i>Polyhedron</i> , 2001 , 20, 2129-2136	1.7	3
64	Self-assembly of organometallic clusters onto the surface of gold. <i>Thin Solid Films</i> , 2001 , 401, 131-137	2.2	4
63	Force Measurements between Semifluorinated Thiolate Self-Assembled Monolayers: Long-Range Hydrophobic Interactions and Surface Charge. <i>Journal of Colloid and Interface Science</i> , 2001 , 235, 391-397	3.3	15
62	The relationships between interfacial friction and the conformational order of organic thin films. <i>Tribology Letters</i> , 2001 , 10, 81-87	2.8	22
61	Enhancing the active lifetime of luminescent semiconducting polymers via doping with metal nanoshells. <i>Applied Physics Letters</i> , 2001 , 78, 1502-1504	3.4	71
60	Molecular Packing of Semifluorinated Alkanethiol Self-Assembled Monolayers on Gold: Influence of Alkyl Spacer Length. <i>Langmuir</i> , 2001 , 17, 1913-1921	4	114
59	Polymerization of Semi-Fluorinated Alkane Thiol Self-Assembled Monolayers Containing Diacetylene Units. <i>Langmuir</i> , 2001 , 17, 6616-6621	4	20

58	The cis-trans isomerization of 1,2,5,6-tetrasilacycloocta-3,7-dienes: analysis by mechanistic probes and density functional theory. <i>Journal of Organic Chemistry</i> , 2001 , 66, 5275-83	4.2	5
57	Kinetics of the cis,cis to trans,trans isomerization of 1,1,2,2,5,5,6,6-octamethyl-1,2,5,6-tetrasilacycloocta-3,7-diene. <i>Journal of Organic Chemistry</i> , 2001 , 66, 5284-90	4.2	1
56	Structure, Wettability, and Frictional Properties of Phenyl-Terminated Self-Assembled Monolayers on Gold. <i>Langmuir</i> , 2001 , 17, 7364-7370	4	105
55	Physical organic probes of interfacial wettability reveal the importance of surface dipole effects. <i>Journal of Physical Organic Chemistry</i> , 2000 , 13, 796-807	2.1	49
54	Improved protein crystallization by vapor diffusion from drops in contact with transparent, self-assembled monolayers on gold-coated glass coverslips. <i>Journal of Crystal Growth</i> , 2000 , 218, 390-398	1.6	16
53	Structural characterization and frictional properties of C60-terminated self-assembled monolayers on Au(111). <i>Thin Solid Films</i> , 2000 , 358, 152-158	2.2	31
52	Synthesis, X-ray crystallographic, and reactivity studies of rhenium(V) alkyne complexes. <i>Journal of Organometallic Chemistry</i> , 2000 , 599, 112-122	2.3	14
51	Interfacial Properties of Specifically Fluorinated Self-Assembled Monolayer Films. <i>ACS Symposium Series</i> , 2000 , 58-75	0.4	7
50	Structural Properties of Self-Assembled Monolayers on Gold Generated from Terminally Fluorinated Alkanethiols. <i>ACS Symposium Series</i> , 2000 , 276-292	0.4	11
49	Modification of semifluorinated alkanethiolate monolayers by low energy electron irradiation. <i>Physical Chemistry Chemical Physics</i> , 2000 , 2, 1979-1987	3.6	48
48	Microstructure, Wettability, and Thermal Stability of Semifluorinated Self-Assembled Monolayers (SAMs) on Gold. <i>Journal of Physical Chemistry B</i> , 2000 , 104, 7417-7423	3.4	107
47	Low-Density Self-Assembled Monolayers on Gold Derived from Chelating 2-Monoalkylpropane-1,3-dithiols. <i>Langmuir</i> , 2000 , 16, 541-548	4	71
46	Molecular Orientation of Single and Two-Armed Monodendron Semifluorinated Chains on Soft and Hard Surfaces Studied Using NEXAFS. <i>Macromolecules</i> , 2000 , 33, 6068-6077	5.5	50
45	Desorption and Exchange of Self-Assembled Monolayers (SAMs) on Gold Generated from Chelating Alkanedithiols. <i>Journal of Physical Chemistry B</i> , 2000 , 104, 8192-8200	3.4	82
44	The Influence of Packing Densities and Surface Order on the Frictional Properties of Alkanethiol Self-Assembled Monolayers (SAMs) on Gold: A Comparison of SAMs Derived from Normal and Spiroalkanedithiols. <i>Langmuir</i> , 2000 , 16, 2220-2224	4	144
43	Spiroalkanedithiol-Based SAMs Reveal Unique Insight into the Wettabilities and Frictional Properties of Organic Thin Films. <i>Journal of the American Chemical Society</i> , 2000 , 122, 7556-7563	16.4	138
42	Adsorption Profiles of Chelating Aromatic Dithiols and Disulfides: Comparison to Those of Normal Alkanethiols and Disulfides. <i>Langmuir</i> , 2000 , 16, 4266-4271	4	39
41	The Adsorption of Unsymmetrical Spiroalkanedithiols onto Gold Affords Multi-Component Interfaces that Are Homogeneously Mixed at the Molecular Level. <i>Journal of the American Chemical Society</i> , 2000 , 122, 1278-1281	16.4	61

40	A Steady-State Kinetic Model Can Be Used to Describe the Growth of Self-Assembled Monolayers (SAMs) on Gold. <i>Journal of Physical Chemistry B</i> , 2000 , 104, 8182-8191	3-4	32
39	Structure of self-assembled monolayers of semifluorinated alkanethiols on gold and silver substrates. <i>Israel Journal of Chemistry</i> , 2000 , 40, 81-97	3-4	82
38	Synthesis and single-crystal X-ray structure of [(DMPE)2Ru(C2H4)CH3]+[(3,5-(CF3)2C6H3)4B]⊖ <i>Journal of Organometallic Chemistry</i> , 1999 , 579, 122-125	2-3	8
37	Terminally perfluorinated long-chain alkanethiols. <i>Journal of Fluorine Chemistry</i> , 1999 , 93, 107-115	2-1	58
36	Self-assembled monolayers of CF3-terminated alkanethiols on gold. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 1999 , 154, 239-244	5-1	31
35	Construction of simple gold nanoparticle aggregates with controlled plasmon-plasmon interactions. <i>Chemical Physics Letters</i> , 1999 , 300, 651-655	2-5	145
34	Ferrocenophanes with all carbon bridges. <i>Journal of Organometallic Chemistry</i> , 1999 , 578, 31-42	2-3	68
33	Wettability and friction of CF3-terminated monolayer films on gold. <i>Materials Research Bulletin</i> , 1999 , 34, 447-453	5-1	18
32	Fullerene-Terminated Alkanethiolate SAMs on Gold Generated from Unsymmetrical Disulfides. <i>Langmuir</i> , 1999 , 15, 5329-5332	4	55
31	Oriented Surface Dipoles Strongly Influence Interfacial Wettabilities. <i>Journal of the American Chemical Society</i> , 1999 , 121, 3222-3223	16.4	103
30	Chelating Self-Assembled Monolayers on Gold Generated from Spiroalkanedithiols. <i>Langmuir</i> , 1999 , 15, 1136-1140	4	53
29	Molecularly Specific Studies of the Frictional Properties of Monolayer Films: A Systematic Comparison of CF3-, (CH3)2CH-, and CH3-Terminated Films. <i>Langmuir</i> , 1999 , 15, 3179-3185	4	125
28	Scanning Tunneling Microscopy and Spectroscopy of Dialkyl Disulfide Fullerenes Inserted into Alkanethiolate SAMs. <i>Journal of Physical Chemistry B</i> , 1999 , 103, 8639-8642	3-4	32
27	Self-Assembled Monolayers Derived from Bidentate Organosulfur Adsorbates. <i>Materials Research Society Symposia Proceedings</i> , 1999 , 576, 183		1
26	Molecular contributions to the frictional properties of fluorinated self-assembled monolayers. <i>Tribology Letters</i> , 1998 , 4, 137-140	2-8	31
25	Formation and Adsorption of Clusters of Gold Nanoparticles onto Functionalized Silica Nanoparticle Surfaces. <i>Langmuir</i> , 1998 , 14, 5396-5401	4	561
24	Fullerene pipes. <i>Science</i> , 1998 , 280, 1253-6	33-3	2866
23	Gold and Silver Nanoparticles Functionalized by the Adsorption of Dialkyl Disulfides. <i>Langmuir</i> , 1998 , 14, 7378-7386	4	184

22	Soluble Conjugated Polymers That Contain Ferrocenylene Units in the Backbone. <i>Journal of the American Chemical Society</i> , 1998 , 120, 1621-1622	16.4	90
21	Self-Assembled Monolayers on Gold Generated from Aliphatic Dithiocarboxylic Acids. <i>Langmuir</i> , 1998 , 14, 6337-6340	4	86
20	Self-Assembled Monolayers Based on Chelating Aromatic Dithiols on Gold. <i>Langmuir</i> , 1998 , 14, 3815-3819	4	71
19	Unexpected Cis,Cis to Trans,Trans Isomerization of a Disilanyl Analogue of 1,5-Cyclooctadiene. <i>Journal of Organic Chemistry</i> , 1998 , 63, 8624-8625	4.2	3
18	Wettabilities of Self-Assembled Monolayers Generated from CF ₃ -Terminated Alkanethiols on Gold. <i>Langmuir</i> , 1998 , 14, 5821-5825	4	67
17	Regioselective Bromomethylation of 1,2-Dialkylbenzenes. <i>Synlett</i> , 1998 , 1998, 310-312	2.2	13
16	Surface Dipoles Influence the Wettability of Terminally Fluorinated Organic Films. <i>Materials Research Society Symposia Proceedings</i> , 1998 , 546, 237		8
15	Synthesis and Reactivity of (DPPE){(C ₆ H ₅)(C ₆ H ₄)PCH ₂ CH ₂ P(C ₆ H ₅) ₂ }RuCl. <i>Organometallics</i> , 1997 , 16, 5613-5615	3.8	9
14	Systematic Studies of the Frictional Properties of Fluorinated Monolayers with Atomic Force Microscopy: Comparison of CF ₃ - and CH ₃ -Terminated Films. <i>Langmuir</i> , 1997 , 13, 7192-7196	4	192
13	Catalytic ring-closing olefin metathesis of sulfur-containing species: Heteroatom and other effects. <i>Tetrahedron Letters</i> , 1997 , 38, 1283-1286	2	86
12	Routes to Conjugated Polymers with Ferrocenes in Their Backbones: Synthesis and Characterization of Poly(ferrocenylenedivinylene) and Poly(ferrocenylenebutenylene). <i>Macromolecules</i> , 1995 , 28, 8713-8721	5.5	85
11	The Wetting of Monolayer Films Exposing Ionizable Acids and Bases. <i>Langmuir</i> , 1994 , 10, 741-749	4	178
10	Heterogeneous, platinum-catalyzed hydrogenations of (diolefin)dialkylplatinum(II) complexes. <i>Accounts of Chemical Research</i> , 1992 , 25, 266-272	24.3	35
9	Heterogeneous catalysis on platinum and self-assembled monolayers on metal and metal oxide surfaces. <i>Pure and Applied Chemistry</i> , 1991 , 63, 821-828	2.1	39
8	Heterogeneous reductions of (homohyostrophene)dialkylplatinum(II) complexes provide a useful system for the study of intermediate surface alkyls on platinum [1]. <i>Catalysis Letters</i> , 1991 , 9, 461-472	2.8	1
7	The reduction by deuterium on platinum black of exo-2-norbornyl* and endo-2-norbornyl* to norbornane-2-d ₁ occurs with predominant retention of configuration. <i>Journal of the American Chemical Society</i> , 1991 , 113, 368-369	16.4	2
6	The extent of incorporation of excess deuterium in the platinum-catalyzed reduction of unsubstituted cycloolefins by H ₂ in D ₂ O/THF increases with the strain energy of the product cycloalkanes. <i>Journal of the American Chemical Society</i> , 1991 , 113, 369-370	16.4	6
5	Isotopic exchange in the platinum-catalyzed reductions of olefins in protic solvents. <i>Journal of the American Chemical Society</i> , 1991 , 113, 2568-2576	16.4	9

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| 4 | The reduction of C* bonds proceeds with retention of configuration: stereochemical investigation of the heterogeneous reduction by dideuterium of (homohyprophene)neopentyl(2-norbornyl)platinum(II) complexes on platinum black. <i>Journal of the American Chemical Society</i> , 1991 , 113, 8745-8753 | 16.4 | 5 |
| 3 | Oxygen transfer from the nitro group of a nitroaromatic radiosensitizer to a DNA sugar damage product. <i>Biochemistry</i> , 1989 , 28, 4540-2 | 3.2 | 28 |
| 2 | Kinetics and mechanism of the reaction of [Et4N][HFe(CO)4] and alkyl halides. The unexpected formation of acetone. <i>Organometallics</i> , 1986 , 5, 987-994 | 3.8 | 17 |
| 1 | Carbon-13 NMR studies of some iron carbonyls: An unexpected trend in the chemical shifts of disubstituted complexes. <i>Journal of Organometallic Chemistry</i> , 1985 , 282, 95-106 | 2.3 | 23 |