

T Randall Lee

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273
papers

14,125
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59
h-index

112
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406
ext. papers

15,140
ext. citations

6.1
avg, IF

6.47
L-index

#	Paper	IF	Citations
273	Fullerene pipes. <i>Science</i> , 1998 , 280, 1253-6	33.3	2866
272	Formation and Adsorption of Clusters of Gold Nanoparticles onto Functionalized Silica Nanoparticle Surfaces. <i>Langmuir</i> , 1998 , 14, 5396-5401	4	561
271	Contact Angle and Wetting Properties. <i>Springer Series in Surface Sciences</i> , 2013 , 3-34	0.4	542
270	Tuning the magnetic properties of nanoparticles. <i>International Journal of Molecular Sciences</i> , 2013 , 14, 15977-6009	6.3	497
269	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	3.9	381
268	Preparation and Characterization of Gold Nanoshells Coated with Self-Assembled Monolayers. <i>Langmuir</i> , 2002 , 18, 4915-4920	4	380
267	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
266	Gold and Silver Nanoparticles Functionalized by the Adsorption of Dialkyl Disulfides. <i>Langmuir</i> , 1998 , 14, 7378-7386	4	184
265	The Wetting of Monolayer Films Exposing Ionizable Acids and Bases. <i>Langmuir</i> , 1994 , 10, 741-749	4	178
264	Thermo- and pH-Responsive Hydrogel-Coated Gold Nanoparticles. <i>Chemistry of Materials</i> , 2004 , 16, 3647-3651	17.5	175
263	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
262	Construction of simple gold nanoparticle aggregates with controlled plasmon-plasmon interactions. <i>Chemical Physics Letters</i> , 1999 , 300, 651-655	2.5	145
261	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
260	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
259	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
258	Multidentate adsorbates for self-assembled monolayer films. <i>Accounts of Chemical Research</i> , 2011 , 44, 511-9	24.3	133
257	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

256	Molecularly Specific Studies of the Frictional Properties of Monolayer Films: A Systematic Comparison of CF ₃ -, (CH ₃) ₂ CH-, and CH ₃ -Terminated Films. <i>Langmuir</i> , 1999 , 15, 3179-3185	4	125
255	Bimetallic Nanoparticles: Enhanced Magnetic and Optical Properties for Emerging Biological Applications. <i>Applied Sciences (Switzerland)</i> , 2018 , 8, 1106	2.6	119
254	Molecular Packing of Semifluorinated Alkanethiol Self-Assembled Monolayers on Gold: Influence of Alkyl Spacer Length. <i>Langmuir</i> , 2001 , 17, 1913-1921	4	114
253	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
252	The wettability of fluoropolymer surfaces: influence of surface dipoles. <i>Langmuir</i> , 2008 , 24, 4817-26	4	107
251	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
250	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
249	Structure, Wettability, and Frictional Properties of Phenyl-Terminated Self-Assembled Monolayers on Gold. <i>Langmuir</i> , 2001 , 17, 7364-7370	4	105
248	Oriented Surface Dipoles Strongly Influence Interfacial Wettabilities. <i>Journal of the American Chemical Society</i> , 1999 , 121, 3222-3223	16.4	103
247	Wettabilities of Self-Assembled Monolayers on Gold Generated from Progressively Fluorinated Alkanethiols. <i>Langmuir</i> , 2003 , 19, 3288-3296	4	102
246	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
245	Hydrogel-templated growth of large gold nanoparticles: synthesis of thermally responsive hydrogel-nanoparticle composites. <i>Langmuir</i> , 2007 , 23, 6504-9	4	95
244	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
243	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
242	Nanoparticle-Based Strategies to Combat COVID-19. <i>ACS Applied Nano Materials</i> , 2020 , 3, 8557-8580	5.6	90
241	Biosensing Using Magnetic Particle Detection Techniques. <i>Sensors</i> , 2017 , 17,	3.8	87
240	Catalytic ring-closing olefin metathesis of sulfur-containing species: Heteroatom and other effects. <i>Tetrahedron Letters</i> , 1997 , 38, 1283-1286	2	86
239	Synthesis of tetraoctylammonium-protected gold nanoparticles with improved stability. <i>Langmuir</i> , 2005 , 21, 5689-92	4	86

238	Self-Assembled Monolayers on Gold Generated from Aliphatic Dithiocarboxylic Acids. <i>Langmuir</i> , 1998 , 14, 6337-6340	4	86
237	Routes to Conjugated Polymers with Ferrocenes in Their Backbones: Synthesis and Characterization of Poly(ferrocenylene-divinylene) and Poly(ferrocenylene-butynylene). <i>Macromolecules</i> , 1995 , 28, 8713-8721	5.5	85
236	Persistent luminescence strontium aluminate nanoparticles as reporters in lateral flow assays. <i>Analytical Chemistry</i> , 2014 , 86, 9481-8	7.8	82
235	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
234	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
233	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
232	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
231	Low-Density Self-Assembled Monolayers on Gold Derived from Chelating 2-Monoalkylpropane-1,3-dithiols. <i>Langmuir</i> , 2000 , 16, 541-548	4	71
230	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
229	Self-Assembled Monolayers Based on Chelating Aromatic Dithiols on Gold. <i>Langmuir</i> , 1998 , 14, 3815-3819	4	71
228	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
227	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
226	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
225	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
224	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
223	Ferrocenophanes with all carbon bridges. <i>Journal of Organometallic Chemistry</i> , 1999 , 578, 31-42	2.3	68
222	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
221	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

220	Wettabilities of Self-Assembled Monolayers Generated from CF ₃ -Terminated Alkanethiols on Gold. <i>Langmuir</i> , 1998 , 14, 5821-5825	4	67
219	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
218	Facile Horner-Emmons Synthesis of Defect-Free Poly(9,9-dialkylfluorenyl-2,7-vinylene). <i>Macromolecules</i> , 2006 , 39, 3494-3499	5.5	62
217	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
216	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
215	Gold-Nanoparticle- and Gold-Nanoshell-Induced Polymorphism in Poly(vinylidene fluoride). <i>Macromolecular Materials and Engineering</i> , 2011 , 296, 178-184	3.9	60
214	Linactants: surfactant analogues in two dimensions. <i>Physical Review Letters</i> , 2008 , 100, 037802	7.4	58
213	Terminally perfluorinated long-chain alkanethiols. <i>Journal of Fluorine Chemistry</i> , 1999 , 93, 107-115	2.1	58
212	Patterned networks of mouse hippocampal neurons on peptide-coated gold surfaces. <i>Biomaterials</i> , 2005 , 26, 883-9	15.6	56
211	Fullerene-Terminated Alkanethiolate SAMs on Gold Generated from Unsymmetrical Disulfides. <i>Langmuir</i> , 1999 , 15, 5329-5332	4	55
210	Chelating Self-Assembled Monolayers on Gold Generated from Spiroalkanedithiols. <i>Langmuir</i> , 1999 , 15, 1136-1140	4	53
209	The impact of fluorination on the structure and properties of self-assembled monolayer films. <i>Soft Matter</i> , 2013 , 9, 6356	3.6	50
208	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
207	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
206	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
205	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
204	Modification of semifluorinated alkanethiolate monolayers by low energy electron irradiation. <i>Physical Chemistry Chemical Physics</i> , 2000 , 2, 1979-1987	3.6	48
203	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

202	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
201	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
200	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
199	Surfactant-Controlled Size and Shape Evolution of Magnetic Nanoparticles. <i>Crystal Growth and Design</i> , 2009 , 9, 32-34	3.5	45
198	Preparation and Characterization of Palladium Shells with Gold and Silica Cores. <i>Chemistry of Materials</i> , 2006 , 18, 4115-4120	9.6	45
197	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
196	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
195	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
194	Bioinspired Zwitterionic Surface Coatings with Robust Photostability and Fouling Resistance. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 23776-86	9.5	42
193	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
192	Monolayer-protected gold nanoparticles prepared using long-chain alkanethioacetates. <i>Langmuir</i> , 2009 , 25, 13855-60	4	41
191	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
190	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
189	Cubic Silica-Coated and Amine-Functionalized FeCo Nanoparticles with High Saturation Magnetization. <i>Chemistry of Materials</i> , 2013 , 25, 1092-1097	9.6	39
188	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	3.4	39
187	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
186	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
185	Heterogeneous, platinum-catalyzed hydrogenations of (diolefin)dialkylplatinum(II) complexes. <i>Accounts of Chemical Research</i> , 1992 , 25, 266-272	24.3	35

184	Gold, palladium, and gold-palladium alloy nanoshells on silica nanoparticle cores. <i>ACS Applied Materials & Interfaces</i> , 2009 , 1, 1063-9	9.5	34
183	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
182	Stability of Aliphatic Dithiocarboxylic Acid Self-Assembled Monolayers on Gold. <i>Journal of Physical Chemistry B</i> , 2004 , 108, 2648-2653	3.4	33
181	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
180	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
179	Internal and external morphology-dependent plasmonic resonance in monolithic nanoporous gold nanoparticles. <i>RSC Advances</i> , 2014 , 4, 36682-36688	3.7	31
178	Molecular contributions to the frictional properties of fluorinated self-assembled monolayers. <i>Tribology Letters</i> , 1998 , 4, 137-140	2.8	31
177	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
176	Low-Energy Ion Surface Collisions Characterize Alkyl- and Fluoroalkyl-Terminated Self-Assembled Monolayers on Gold. <i>Langmuir</i> , 2002 , 18, 3895-3902	4	31
175	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
174	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
173	Monodisperse SnO2-coated gold nanoparticles are markedly more stable than analogous SiO2-coated gold nanoparticles. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 2479-84	9.5	30
172	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
171	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
170	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
169	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
168	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
167	Tridentate adsorbates with cyclohexyl headgroups assembled on gold. <i>Langmuir</i> , 2013 , 29, 561-9	4	27

166	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
165	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
164	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
163	Robust carboxylic acid-terminated organic thin films and nanoparticle protectants generated from bidentate alkanethiols. <i>Langmuir</i> , 2013 , 29, 10432-9	4	25
162	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
161	Structure and Wettability of Methoxy-Terminated Self-Assembled Monolayers on Gold. <i>Langmuir</i> , 2003 , 19, 10217-10224	4	25
160	Synthesis and Ring-Opening Metathesis Polymerization of Aryl-Substituted 1,1[(1,3-Butadienylene)ferrocenes. <i>Macromolecules</i> , 2005 , 38, 2564-2573	5.5	25
159	Inverted Surface Dipoles in Fluorinated Self-Assembled Monolayers. <i>Chemistry of Materials</i> , 2015 , 27, 7433-7446	9.6	24
158	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
157	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
156	Magnetic Sensing Potential of FeO Nanocubes Exceeds That of FeO Nanospheres. <i>ACS Omega</i> , 2017 , 2, 8010-8019	3.9	24
155	Palladium nanoshells coated with self-assembled monolayers and their catalytic properties. <i>RSC Advances</i> , 2012 , 2, 3968	3.7	24
154	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
153	Sum Frequency Generation Imaging Microscopy of Patterned Self-Assembled Monolayers with Terminal -CH ₃ , -CD ₃ , -CF ₂ CF ₃ , -C≡C-, Phenyl, and Cyclopropyl Groups. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 14529-14537	3.8	23
152	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
151	The relationships between interfacial friction and the conformational order of organic thin films. <i>Tribology Letters</i> , 2001 , 10, 81-87	2.8	22
150	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
149	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

148	Ultrasensitive Magnetic Nanoparticle Detector for Biosensor Applications. <i>Sensors</i> , 2017 , 17,	3.8	20
147	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
146	Correlating linactant efficiency and self-assembly: structural basis of line activity in molecular monolayers. <i>Langmuir</i> , 2009 , 25, 8056-61	4	20
145	Polymerization of Semi-Fluorinated Alkane Thiol Self-Assembled Monolayers Containing Diacetylene Units. <i>Langmuir</i> , 2001 , 17, 6616-6621	4	20
144	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
143	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
142	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	2.9	19
141	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
140	Use of DMF as Solvent Allows for the Facile Synthesis of Soluble MEHBPV. <i>Macromolecules</i> , 2004 , 37, 8883-8887	5.5	19
139	Reactions of $(\eta^5\text{-C}_6\text{H}_5\text{CH}_2\text{CH}_2\text{PR}_2)\text{Ru}(\text{CH}_3)_2$ (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
138	Digestive Ripening of Au Nanoparticles Using Multidentate Ligands. <i>Langmuir</i> , 2017 , 33, 1943-1950	4	18
137	Boc-protected amino alkanedithiols provide chemically and thermally stable amine-terminated monolayers on gold. <i>Langmuir</i> , 2015 , 31, 2136-46	4	18
136	Wettability and friction of CF ₃ -terminated monolayer films on gold. <i>Materials Research Bulletin</i> , 1999 , 34, 447-453	5.1	18
135	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
134	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
133	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
132	Probing the local structure and mechanical response of nanostructures using force modulation and nanofabrication. <i>Langmuir</i> , 2005 , 21, 8422-8	4	17
131	Attenuation Lengths of Photoelectrons in Fluorocarbon Films. <i>Journal of Physical Chemistry B</i> , 2003 , 107, 10216-10220	3.4	17

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129	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
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