Jillian M Buriak

List of Publications by Citations

168 papers	11,519 citations	52 h-index	104 g-index
429 ext. papers	12,546 ext. citations	9.8 avg, IF	6.86 L-index

#	Paper	IF	Citations
168	Organometallic chemistry on silicon and germanium surfaces. *Chemical Reviews*, **2002**, 102, 1271-308	68.1	1537
167	Desorption-ionization mass spectrometry on porous silicon. *Nature*, **1999**, 399, 243-6	50.4	959
166	Chemical and Biological Applications of Porous Silicon Technology. *Advanced Materials*, **2000**, 12, 859-869	24	386
165	Assembly of aligned linear metallic patterns on silicon. *Nature Nanotechnology*, **2007**, 2, 500-6	28.7	323
164	Lewis Acid Mediated Functionalization of Porous Silicon with Substituted Alkenes and Alkynes. *Journal of the American Chemical Society*, **1998**, 120, 1339-1340	16.4	311
163	Lewis Acid Mediated Hydrosilylation on Porous Silicon Surfaces. *Journal of the American Chemical Society*, **1999**, 121, 11491-11502	16.4	289
162	Organometallic chemistry on silicon surfaces: formation of functional monolayers bound through Si□ bonds. *Chemical Communications*, **1999**, 1051-1060	5.8	280
161	Using cylindrical domains of block copolymers to self-assemble and align metallic nanowires. *ACS Nano*, **2008**, 2, 489-501	16.7	266
160	Exciton-mediated hydrosilylation on photoluminescent nanocrystalline silicon. *Journal of the American Chemical Society*, **2001**, 123, 7821-30	16.4	225
159	Photopatterned Hydrosilylation on Porous Silicon. *Angewandte Chemie - International Edition*, **1998**, 37, 3257-3260	16.4	224
158	Controlled Electroless Deposition of Noble Metal Nanoparticle Films on Germanium Surfaces. *Nano Letters*, **2002**, 2, 1067-1071	11.5	192
157	Block Copolymer Templated Chemistry for the Formation of Metallic Nanoparticle Arrays on Semiconductor Surfaces. *Chemistry of Materials*, **2007**, 19, 5090-5101	9.6	176
156	Cylindrical β-Sheet Peptide Assemblies. *Journal of the American Chemical Society*, **1998**, 120, 8949-8962	16.4	163
155	Derivatized Mesoporous Silicon with Dramatically Improved Stability in Simulated Human Blood Plasma. *Advanced Materials*, **1999**, 11, 1505-1507	24	163
154	Spray coated high-conductivity PEDOT:PSS transparent electrodes for stretchable and mechanically-robust organic solar cells. *Solar Energy Materials and Solar Cells*, **2013**, 110, 98-106	6.4	146
153	Synthesis and SERS Properties of Nanocrystalline Gold Octahedra Generated from Thermal Decomposition of HAuCl4 in Block Copolymers. *Advanced Materials*, **2006**, 18, 3233-3237	24	138
152	How To Optimize Materials and Devices via Design of Experiments and Machine Learning: Demonstration Using Organic Photovoltaics. *ACS Nano*, **2018**, 12, 7434-7444	16.7	130

151	Fast assembly of ordered block copolymer nanostructures through microwave annealing. *ACS Nano* , **2010**, 4, 7021-9	16.7	125
150	Catalytic olefin hydrogenation using N-heterocyclic carbene–phosphine complexes of iridium. *Chemical Communications*, **2002**, 2518-2519	5.8	124
149	Silver nano-inukshuks on germanium. *Nano Letters*, **2005**, 5, 815-9	11.5	123
148	Lead-Free Perovskite Solar Cells. *ACS Energy Letters*, **2017**, 2, 904-905	20.1	121
147	Illuminating Silicon Surface Hydrosilylation: An Unexpected Plurality of Mechanisms. *Chemistry of Materials*, **2014**, 26, 763-772	9.6	120
146	Electroless Nanoparticle Film Deposition Compatible with Photolithography, Microcontact Printing, and Dip-Pen Nanolithography Patterning Technologies. *Nano Letters*, **2002**, 2, 1369-1372	11.5	120
145	Nanoscale patterning of two metals on silicon surfaces using an ABC triblock copolymer template. *Journal of the American Chemical Society*, **2006**, 128, 5877-86	16.4	118
144	Nanopatterning of alkynes on hydrogen-terminated silicon surfaces by scanning probe-induced cathodic electrografting. *Journal of the American Chemical Society*, **2003**, 125, 11334-9	16.4	118
143	Block copolymer-templated chemistry on Si, Ge, InP, and GaAs surfaces. *Journal of the American Chemical Society*, **2005**, 127, 8932-3	16.4	113
142	Hydrogermylation of Alkenes and Alkynes on Hydride-Terminated Ge(100) Surfaces. *Langmuir*, **2000**, 16, 7737-7741	4	113
141	The search for new hydrogenation catalyst motifs based on N-heterocyclic carbene ligands. *Inorganica Chimica Acta*, **2006**, 359, 2786-2797	2.7	100
140	Reporting performance in organic photovoltaic devices. *ACS Nano*, **2013**, 7, 4708-14	16.7	98
139	Hydride Abstraction Initiated Hydrosilylation of Terminal Alkenes and Alkynes on Porous Silicon. *Langmuir*, **2002**, 18, 2971-2974	4	98
138	Rolling silver nanowire electrodes: simultaneously addressing adhesion, roughness, and conductivity. *ACS Applied Materials & Interfaces*, **2013**, 5, 12663-71	9.5	97
137	Sn–Bi–Sb alloys as anode materials for sodium ion batteries. *Journal of Materials Chemistry A*, **2017**, 5, 9661-9670	13	91
136	Specific detection of proteins using photonic crystal waveguides. *Optics Express*, **2008**, 16, 15949-57	3.3	91
135	Heteroepitaxial growth of gold nanostructures on silicon by galvanic displacement. *ACS Nano*, **2009** , 3, 2809-17	16.7	88
134	Stable Inverted Polymer/Fullerene Solar Cells Using a Cationic Polythiophene Modified PEDOT:PSS Cathodic Interface. *Advanced Functional Materials*, **2010**, 20, 2404-2415	15.6	80

133	Anodic and cathodic electrografting of alkynes on porous silicon. *Chemical Communications*, **1999**, 2479-2480	3.8	80
132	Surface area characterization of obliquely deposited metal oxide nanostructured thin films. *Langmuir*, **2010**, 26, 4368-76	4	79
131	Methylammonium Cation Dynamics in Methylammonium Lead Halide Perovskites: A Solid-State NMR Perspective. *Journal of Physical Chemistry A*, **2018**, 122, 1560-1573	2.8	77
130	Nanopatterning via Solvent Vapor Annealing of Block Copolymer Thin Films. *Chemistry of Materials*, **2017**, 29, 176-188	9.6	74
129	SnSb for Sodium Ion Battery Anodes: Phase Transformations Responsible for Enhanced Cycling Stability Revealed by In Situ TEM. *ACS Energy Letters*, **2018**, 3, 1670-1676	20.1	68
128	Molecular layer deposition of thiol-ene multilayers on semiconductor surfaces. *Langmuir*, **2010**, 26, 1232-8	4	66
127	Studies on Catalytic Asymmetric Imine Hydrogenation in the Presence of Reverse Micelles:´ Enhanced Enantioselectivity due to Surfactant Head Group Coordination. *Organometallics*, **1996**, 15, 3161-3169	3.8	66
126	Indium tin oxide nanopillar electrodes in polymer/fullerene solar cells. *Nanotechnology*, **2011**, 22, 085706	3.4	62
125	Metal Mediated Reactions on Porous Silicon Surfaces. *Journal of Solid State Chemistry*, **1999**, 147, 251-258	3.3	62
124	Three Methods for Stabilization and Functionalization of Porous Silicon Surfaces via Hydrosilylation and Electrografting Reactions. *Physica Status Solidi A*, **2000**, 182, 109-115		60
123	Solution-processed zinc phosphide (Zn3P2) colloidal semiconducting nanocrystals for thin film photovoltaic applications. *ACS Nano*, **2013**, 7, 8136-46	16.7	59
122	Deconvoluting the mechanism of microwave annealing of block copolymer thin films. *ACS Nano*, **2014**, 8, 3979-91	16.7	53
121	Work Function Control of Interfacial Buffer Layers for Efficient and Air-Stable Inverted Low-Bandgap Organic Photovoltaics. *Advanced Energy Materials*, **2012**, 2, 361-368	21.8	53
120	Block copolymer templated etching on silicon. *Nano Letters*, **2007**, 7, 464-9	11.5	53
119	Screening of Heterogeneous Multimetallic Nanoparticle Catalysts Supported on Metal Oxides for Mono-, Poly-, and Heteroaromatic Hydrogenation Activity. *ACS Catalysis*, **2012**, 2, 1524-1534	13.1	52
118	Metallic Nanostructures via Static Plowing Lithography. *Nano Letters*, **2003**, 3, 1043-1047	11.5	51
117	Trapping silicon surface-based radicals. *Langmuir*, **2006**, 22, 6214-21	4	50
116	Biocompatible carbohydrate-functionalized stainless steel surfaces: a new method for passivating biomedical implants. *ACS Applied Materials & Interfaces*, **2011**, 3, 1601-12	9.5	49

115	Synthesis and patterning of gold nanostructures on InP and GaAs via galvanic displacement. *Small*, **2005**, 1, 1076-81	11	49
114	New Approaches Toward the Formation of Silicon-Carbon Bonds on Porous Silicon. *Comments on Inorganic Chemistry*, **2002**, 23, 179-203	3.9	48
113	Electrostatic layer-by-layer assembly of CdSe nanorod/polymer nanocomposite thin films. *ACS Applied Materials & Interfaces*, **2010**, 2, 219-29	9.5	47
112	High surface area silicon materials: fundamentals and new technology. *Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences*, **2006**, 364, 217-25	3	47
111	In-Operando Study of the Effects of Solvent Additives on the Stability of Organic Solar Cells Based on PTB7-Th:PC71BM. *ACS Energy Letters*, **2019**, 4, 464-470	20.1	47
110	Toward a mechanistic understanding of exciton-mediated hydrosilylation on nanocrystalline silicon. *Journal of the American Chemical Society*, **2012**, 134, 489-97	16.4	45
109	Phase-Pure Crystalline Zinc Phosphide Nanoparticles: Synthetic Approaches and Characterization. *Chemistry of Materials*, **2014**, 26, 1925-1935	9.6	44
108	Role of Interfacial Layers in Organic Solar Cells: Energy Level Pinning versus Phase Segregation. *ACS Applied Materials & Interfaces*, **2016**, 8, 18238-48	9.5	43
107	Oxygen Evolution Catalyzed by Nickel-Iron Oxide Nanocrystals with a Nonequilibrium Phase. *ACS Applied Materials & Interfaces*, **2015**, 7, 19755-63	9.5	41
106	Rapid Assembly of Nanolines with Precisely Controlled Spacing from Binary Blends of Block Copolymers. *Macromolecules*, **2011**, 44, 9752-9757	5.5	41
105	SbSi Alloys and Multilayers for Sodium-Ion Battery Anodes. *ACS Applied Energy Materials*, **2019**, 2, 2205-2213	6.1	40
104	Photoluminescence of porous silicon surfaces stabilized through Lewis acid mediated hydrosilylation. *Journal of Luminescence*, **1998**, 80, 29-35	3.8	40
103	Preparation and functionalization of hydride terminated porous germanium. *Chemical Communications*, **2000**, 1669-1670	5.8	40
102	Automated Defect and Correlation Length Analysis of Block Copolymer Thin Film Nanopatterns. *PLoS ONE*, **2015**, 10, e0133088	3.7	39
101	Catalytic stamp lithography for sub-100 nm patterning of organic monolayers. *Journal of the American Chemical Society*, **2008**, 130, 17656-7	16.4	39
100	Redox Flow Batteries: How to Determine Electrochemical Kinetic Parameters. *ACS Nano*, **2020**, 14, 2575-2584	15.8	38
99	Bulk Heterojunction Organic Photovoltaics Based on Carboxylated Polythiophenes and PCBM on Glass and Plastic Substrates. *Advanced Functional Materials*, **2011**, 21, 1816-1826	15.6	38
98	Probing the mechanisms of enantioselective hydrogenation of simple olefins with chiral rhodium catalysts in the presence of anions. *Chemistry - A European Journal*, **2000**, 6, 139-50	4.8	38

97	Dehydrogenative silane coupling on silicon surfaces via early transition metal catalysis. *Inorganic Chemistry*, **2006**, 45, 1096-102	5.1	37
96	Size and Surface Effects of Silicon Nanocrystals in Graphene Aerogel Composite Anodes for Lithium Ion Batteries. *Chemistry of Materials*, **2018**, 30, 7782-7792	9.6	35
95	Epitaxial growth of nanostructured gold films on germanium via galvanic displacement. *ACS Applied Materials & Interfaces*, **2010**, 2, 3515-24	9.5	33
94	Thienylsilane-modified indium tin oxide as an anodic interface in polymer/fullerene solar cells. *ACS Applied Materials & Interfaces*, **2009**, 1, 279-88	9.5	33
93	Density doubling of block copolymer templated features. *Nano Letters*, **2012**, 12, 264-8	11.5	32
92	UV-initiated hydrosilylation on hydrogen-terminated silicon (111): rate coefficient increase of two orders of magnitude in the presence of aromatic electron acceptors. *Langmuir*, **2012**, 28, 16285-93	4	32
91	Characterization of the Interface of Gold and Silver Nanostructures on InP and GaAs Synthesized via Galvanic Displacement. *Journal of Physical Chemistry C*, **2008**, 112, 12291-12298	3.8	32
90	Specific detection of proteins using nanomechanical resonators. *Sensors and Actuators B: Chemical*, **2008**, 134, 613-617	8.5	32
89	Donor-acceptor small molecules for organic photovoltaics: single-atom substitution (Se or S). *ACS Applied Materials & Interfaces*, **2015**, 7, 8188-99	9.5	31
88	Nickel/Iron Oxide Nanocrystals with a Nonequilibrium Phase: Controlling Size, Shape, and Composition. *Chemistry of Materials*, **2014**, 26, 4796-4804	9.6	31
87	Finely tailored performance of inverted organic photovoltaics through layer-by-layer interfacial engineering. *ACS Applied Materials & Interfaces*, **2011**, 3, 3962-70	9.5	31
86	From Molecules to Surfaces: Radical-Based Mechanisms of Si-S and Si-Se Bond Formation on Silicon. *Journal of the American Chemical Society*, **2015**, 137, 9730-8	16.4	29
85	ABH-Glycan Microarray Characterizes ABO Subtype Antibodies: Fine Specificity of Immune Tolerance After ABO-Incompatible Transplantation. *American Journal of Transplantation*, **2016**, 16, 1548-58	8.7	29
84	C60 fullerene nanocolumns--polythiophene heterojunctions for inverted organic photovoltaic cells. *ACS Applied Materials & Interfaces*, **2011**, 3, 1887-94	9.5	27
83	Chemistry. Chemistry with nanoscale perfection. *Science*, **2004**, 304, 692-3	33.3	27
82	Electrochemically driven organic monolayer formation on silicon surfaces using alkylammonium and alkylphosphonium reagents. *Surface Science*, **2005**, 590, 154-161	1.8	27
81	Transition metal mediated surface modification of porous silicon. *Tetrahedron*, **2001**, 57, 5131-5136	2.4	27
80	Effects of Organic Monolayer Formation on Electrochemiluminescence Behavior of Porous Silicon. *Chemistry of Materials*, **2000**, 12, 2151-2156	9.6	27

79	Elucidating the Surface Chemistry of Zinc Phosphide Nanoparticles Through Ligand Exchange. *Chemistry of Materials*, **2014**, 26, 4653-4661	9.6	26
78	Analysis of porosity in porous silicon using hyperpolarized 129Xe two-dimensional exchange experiments. *Solid State Nuclear Magnetic Resonance*, **2006**, 29, 85-9	3.1	26
77	Conversion of bilayers of PS-b-PDMS block copolymer into closely packed, aligned silica nanopatterns. *ACS Nano*, **2013**, 7, 5595-606	16.7	25
76	Screening of bimetallic heterogeneous nanoparticle catalysts for arene hydrogenation activity under ambient conditions. *Inorganic Chemistry*, **2010**, 49, 2706-14	5.1	25
75	Challenges and Opportunities in Designing Perovskite Nanocrystal Heterostructures. *ACS Energy Letters*, **2020**, 5, 2253-2255	20.1	24
74	Self-assembly of carboxylated polythiophene nanowires for improved bulk heterojunction morphology in polymer solar cells. *Journal of Materials Chemistry*, **2012**, 22, 11354		24
73	Nanoscale plasmonic stamp lithography on silicon. *ACS Nano*, **2015**, 9, 2184-93	16.7	22
72	Preferential face deposition of gold nanoparticles on silicon nanowires by galvanic displacement. *CrystEngComm*, **2012**, 14, 5230	3.3	22
71	Diamond Surfaces: Just Big Organic Molecules?. *Angewandte Chemie - International Edition*, **2001**, 40, 532-534	16.4	22
70	Nanoscale patterning of organic monolayers by catalytic stamp lithography: scope and limitations. *ACS Applied Materials & Interfaces*, **2009**, 1, 2711-20	9.5	21
69	Constructing metal-based structures on nanopatterned etched silicon. *ACS Nano*, **2011**, 5, 5015-24	16.7	20
68	Self-assembly of peptide based nanotubes. *Materials Science and Engineering C*, **1997**, 4, 207-212	8.3	19
67	Expanding the Repertoire of Molecular Linkages to Silicon: Si-S, Si-Se, and Si-Te Bonds. *ACS Applied Materials & Interfaces*, **2016**, 8, 11091-9	9.5	18
66	Preferential Alignment of Incommensurate Block Copolymer Dot Arrays Forming Moiré Superstructures. *ACS Nano*, **2017**, 11, 3237-3246	16.7	16
65	UV-Initiated Si–S, Si–Se, and Si–Te Bond Formation on Si(111): Coverage, Mechanism, and Electronics. *Journal of Physical Chemistry C*, **2018**, 122, 13803-13814	3.8	16
64	Optical sensing of amine vapors with a series of tin compounds. *Chemical Communications*, **2004**, 2028-9	5.8	16
63	Sequential Nanopatterned Block Copolymer Self-Assembly on Surfaces. *Langmuir*, **2016**, 32, 5890-8	4	15
62	Understanding the Mechanism of Enhanced Cycling Stability in Sn–Sb Composite Na-Ion Battery Anodes: Operando Alloying and Diffusion Barriers. *ACS Applied Energy Materials*, **2019**, 2, 5133-5139	6.1	14

61	Building upon patterned organic monolayers produced via catalytic stamp lithography. *ACS Applied Materials & Interfaces*, **2010**, 2, 2301-7	9.5	14
60	Nano and Plants. *ACS Nano*, **2022**, 16, 1681-1684	16.7	14
59	Understanding the Effects of a High Surface Area Nanostructured Indium Tin Oxide Electrode on Organic Solar Cell Performance. *ACS Applied Materials & Interfaces*, **2017**, 9, 38706-38715	9.5	12
58	Alternating Silicon and Carbon Multilayer-Structured Anodes Suppress Formation of the c-Li3.75Si Phase. *Chemistry of Materials*, **2019**, 31, 6578-6589	9.6	12
57	UV-Induced Ferroelectric Phase Transformation in PVDF Thin Films. *Advanced Electronic Materials*, **2019**, 5, 1800363	6.4	12
56	Polymers, Plasmons, and Patterns: Mechanism of Plasmon-Induced Hydrosilylation on Silicon. *Chemistry of Materials*, **2016**, 28, 9158-9168	9.6	11
55	Block copolymer-templated chemical nanopatterning on pyrolyzed photoresist carbon films. *Chemical Communications*, **2012**, 48, 9741-3	5.8	11
54	Block copolymer mediated deposition of metal nanoparticles on germanium nanowires. *Chemical Communications*, **2007**, 1438-40	5.8	11
53	Optimization of the Bulk Heterojunction of All-Small-Molecule Organic Photovoltaics Using Design of Experiment and Machine Learning Approaches. *ACS Applied Materials & Interfaces*, **2020**, 12, 54596-54607	9.5	11
52	Adhesion and Surface Layers on Silicon Anodes Suppress Formation of c-Li3.75Si and Solid-Electrolyte Interphase. *ACS Applied Energy Materials*, **2020**, 3, 1609-1616	6.1	8
51	Vapor-Phase Nanopatterning of Aminosilanes with Electron Beam Lithography: Understanding and Minimizing Background Functionalization. *Langmuir*, **2018**, 34, 4780-4792	4	8
50	A simple in situ31P NMR method for the determination of the enantiomeric purity of aromatic substrates. *Journal of the Chemical Society Chemical Communications*, **1995**, 689		8
49	Increased Volatility of Barium Metal Organics by the Use of Nitrogen Lewis Bases. *Materials Research Society Symposia Proceedings*, **1990**, 204, 545		8
48	Bipolar Resistive Switching in Junctions of Gallium Oxide and p-type Silicon. *Nano Letters*, **2021**, 21, 2666-2674	11.5	8
47	Conjugation of A and B Blood Group Structures to Silica Microparticles for the Detection of Antigen-Specific B Cells. *Bioconjugate Chemistry*, **2016**, 27, 705-15	6.3	7
46	Transport Properties of Thiophenes: Insights from Density-Functional Theory Modeling Using Dispersion-Correcting Potentials. *Journal of Physical Chemistry C*, **2010**, 114, 10952-10961	3.8	7
45	Summarize Your Work in 100 Milliseconds or Less... The Importance of the Table of Contents Image. *ACS Nano*, **2011**, 5, 7687-7689	16.7	7
44	Photostrukturierbare Hydrosilylierung von porösem Silicium. *Angewandte Chemie*, **1998**, 110, 3447-3450	3.6	7

43	Plasmonic Stamps Fabricated by Gold Dewetting on PDMS for Catalyzing Hydrosilylation on Silicon Surfaces. *ACS Applied Nano Materials*, **2019**, 2, 3238-3245	5.6	6
42	Water-soluble pH-switchable cobalt complexes for aqueous symmetric redox flow batteries. *Chemical Communications*, **2020**, 56, 3605-3608	5.8	5
41	Mastering the Art of Scientific Publication. *Journal of Physical Chemistry Letters*, **2014**, 5, 3519-21	6.4	4
40	Solvent Vapor Annealing, Defect Analysis, and Optimization of Self-Assembly of Block Copolymers Using Machine Learning Approaches. *ACS Applied Materials & Interfaces*, **2021**, 13, 28639-28649	9.5	4
39	Positive and negative photopatterning of metal oxides on silicon via bipolar electrochemical deposition. *Chemical Communications*, **2001**, 1614-5	5.8	3
38	Silicon-Carbon Bond Formation on Porous Silicon **2014**, 683-693		3
37	Stabilizing Tin Anodes in Sodium-Ion Batteries by Alloying with Silicon. *ACS Applied Energy Materials* , **2020**, 3, 9950-9962	6.1	3
36	van der Waals Epitaxy of Soft Twisted Bilayers: Lattice Relaxation and Mass Density Waves. *ACS Nano*, **2020**, 14, 13441-13450	16.7	3
35	Three Pillars of Effective Research. Measurements, Analysis, and Dissemination A Virtual Issue. *ACS Energy Letters*, **2019**, 4, 2473-2474	20.1	2
34	Large area assembled periodic nanoarrays by block copolymer templating and glancing angle deposition **2008**,		2
33	Functionalization of Silicon Surfaces for Device Applications. *Journal of the Association for Laboratory Automation*, **1999**, 4, 36-39		2
32	Mixing, Domains, and Fast Li-Ion Dynamics in Ternary Li–Sb–Bi Battery Anode Alloys. *Journal of Physical Chemistry C*, **2022**, 126, 2394-2402	3.8	2
31	HARNESSING SYNTHETIC VERSATILITY TOWARD INTELLIGENT INTERFACIAL DESIGN: ORGANIC FUNCTIONALIZATION OF NANOSTRUCTURED SILICON SURFACES **2003**, 227-259		2
30	Prof. Millie Dresselhaus (1930-2017), Carbon Nanomaterials Pioneer. *ACS Nano*, **2017**, 11, 2307-2308	16.7	1
29	Reconsidering X-ray Photoelectron Spectroscopy Quantification of Substitution Levels of Monolayers on Unoxidized Silicon Surfaces. *Journal of Physical Chemistry C*, **2020**, 124, 16461-16477	3.8	1
28	Father of Mesoporous Materials: Galen D. Stucky. *Chemistry of Materials*, **2014**, 26, 5819-5820	9.6	1
27	That a Wrap: Graphene-Wrapped Magnetite Anodes for Lithium Ion Batteries. *Chemistry of Materials*, **2017**, 29, 6561-6562	9.6	1
26	Morphology control and nanoscale patterning of small molecule organic thin films **2012**,		1

25	In memoriam, Victor S.-Y. Lin. *ACS Nano*, **2010**, 4, 2973-4	16.7	1
24	The Quest for Longevity and Stability of Iridium-based Hydrogenation Catalysts: N-Heterocyclic Carbenes and Crabtree?s Catalyst **2006**, 241-255		1
23	Beyond Thin Films: Clarifying the Impact of -LiSi Formation in Thin Film, Nanoparticle, and Porous Si Electrodes. *ACS Applied Materials & Interfaces*, **2021**, 13, 38147-38160	9.5	1
22	Festschrift in Honor of Prof. Jean-Luc Br□das on His 65th Birthday. *Chemistry of Materials*, **2019**, 31, 6307-6308	9.6	0
21	Organic Photovoltaics: An Early Innovator. *Chemistry of Materials*, **2014**, 26, 5181-5182	9.6	0
20	Nanomaterials Pioneers: Nikoobakht and El-Sayed. *Chemistry of Materials*, **2014**, 26, 4669-4670	9.6	0
19	Confronting Racism in Chemistry Journals. *ACS Applied Nano Materials*, **2020**, 3, 6131-6133	5.6	
18	Confronting Racism in Chemistry Journals. *ACS Applied Polymer Materials*, **2020**, 2, 2496-2498	4.3	
17	Confronting Racism in Chemistry Journals. *Organometallics*, **2020**, 39, 2331-2333	3.8	
16	Update to Our Reader, Reviewer, and Author Communities□April 2020. *Energy & Fuels*, **2020**, 34, 5107-5108	4.1	
15	Update to Our Reader, Reviewer, and Author Communities□April 2020. *Organometallics*, **2020**, 39, 1665-1666	3.8	
14	Chemistry of Materials/30th Anniversary Editorial Interview with Prof. Charlene Crawley. *Chemistry of Materials*, **2019**, 31, 3849-3850	9.6	
13	Silicon-Carbon Bond Formation on Porous Silicon **2014**, 1-11		
12	Just Accepted, Most Read, and New Faces. *Chemistry of Materials*, **2014**, 26, 1983-1984	9.6	
11	Chemistry of Materials, Editors□Choice, and Twitter. *Chemistry of Materials*, **2015**, 27, 649-649	9.6	
10	Organic Photovoltaics: Work Function Control of Interfacial Buffer Layers for Efficient and Air-Stable Inverted Low-Bandgap Organic Photovoltaics (Adv. Energy Mater. 3/2012). *Advanced Energy Materials*, **2012**, 2, 278-278	21.8	
9	Diamantoberfl□chen: eigentlich nur gro□e organische Molek□le?. *Angewandte Chemie*, **2001**, 113, 548-550	3.6	
8	Functionalization of Porous Silicon with Alkenes and Alkynes via Carbocation-Mediated Hydrosilylation. *Materials Research Society Symposia Proceedings*, **2002**, 737, 575		

List of Publications

7	New Pairs of Inks and Papers for Photolithography, Microcontact Printing, and Scanning Probe Nanolithography. *Materials Research Society Symposia Proceedings*, **2002**, 737, 409	
6	Electroless Deposition and Patterning of Morphologically Complex Precious Metal Films on Semiconductor Surfaces. *Materials Research Society Symposia Proceedings*, **2002**, 737, 588	
5	Silicon□Carbon Bond Formation on Porous Silicon **2018**, 1003-1014	
4	Confronting Racism in Chemistry Journals. *Journal of Chemical Health and Safety*, **2020**, 27, 198-200	1.7
3	Silicon□Carbon Bond Formation on Porous Silicon **2017**, 1-12	
2	Materials + Energy + International Collaboration = Fundamental Insights. *Chemistry of Materials*, **2016**, 28, 2883-2885	9.6
1	Kinetics of Plasmon-Driven Hydrosilylation of Silicon Surfaces: Photogenerated Charges Drive Silicon□Carbon Bond Formation. *Journal of Physical Chemistry C*, **2021**, 125, 17983-17992	3.8