

Colin P Nuckolls

List of Publications by Year in Descending Order

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

181
papers

14,697
citations

59
h-index

119
g-index

196
ext. papers

16,771
ext. citations

13.8
avg, IF

6.38
L-index

#	Paper	IF	Citations
181	EConjugated redox-active two-dimensional polymers as organic cathode materials.. <i>Chemical Science</i> , 2022 , 13, 3533-3538	9.4	1
180	Visualizing Atomically-Layered Magnetism in CrSBr.. <i>Advanced Materials</i> , 2022 , e2201000	24	2
179	Strongly Correlated Ladders in K-Doped -Terphenyl Crystals. <i>Nano Letters</i> , 2021 , 21, 9573-9579	11.5	
178	Single-Molecule Junction Formation in Break-Junction Measurements. <i>Journal of Physical Chemistry Letters</i> , 2021 , 12, 10802-10807	6.4	3
177	Chirality Amplified: Long, Discrete Helicene Nanoribbons. <i>Journal of the American Chemical Society</i> , 2021 , 143, 983-991	16.4	33
176	Polytypism, Anisotropic Transport, and Weyl Nodes in the van der Waals Metal TaFeTe. <i>Journal of the American Chemical Society</i> , 2021 , 143, 109-113	16.4	3
175	High-performance organic pseudocapacitors via molecular contortion. <i>Nature Materials</i> , 2021 , 20, 1136-1141	17.4	34
174	Magnetic Order and Symmetry in the 2D Semiconductor CrSBr. <i>Nano Letters</i> , 2021 , 21, 3511-3517	11.5	27
173	Superatomic solid solutions. <i>Nature Chemistry</i> , 2021 , 13, 607-613	17.6	4
172	Origin of Chiroptic Amplification in Perylene-Diimide Helicenes. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 2554-2564	3.8	7
171	Linking optical spectra to free charges in donor/acceptor heterojunctions: cross-correlation of transient microwave and optical spectroscopy. <i>Materials Horizons</i> , 2021 , 8, 1509-1517	14.4	2
170	Electrical conductivity in a non-covalent two-dimensional porous organic material with high crystallinity. <i>Chemical Science</i> , 2021 , 12, 2955-2959	9.4	2
169	Pseudo-atomic orbital behavior in graphene nanoribbons with four-membered rings.. <i>Science Advances</i> , 2021 , 7, eabl5892	14.3	1
168	Controlling Ligand Coordination Spheres and Cluster Fusion in Superatoms.. <i>Journal of the American Chemical Society</i> , 2021 ,	16.4	1
167	Stringing the Perylene Diimide Bow. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 14303-14307	16.4	5
166	Stringing the Perylene Diimide Bow. <i>Angewandte Chemie</i> , 2020 , 132, 14409-14413	3.6	0
165	Dimensional Control of Assembling Metal Chalcogenide Clusters. <i>European Journal of Inorganic Chemistry</i> , 2020 , 2020, 1245-1254	2.3	7

164	Using Deep Learning to Identify Molecular Junction Characteristics. <i>Nano Letters</i> , 2020 , 20, 3320-3325	11.5	10
163	The Structural Origins of Intense Circular Dichroism in a Wagging Helicene Nanoribbon. <i>Journal of the American Chemical Society</i> , 2020 , 142, 7066-7074	16.4	30
162	Shape Matching in Superatom Chemistry and Assembly. <i>Journal of the American Chemical Society</i> , 2020 , 142, 11993-11998	16.4	4
161	Supramolecular Assemblies for Electronic Materials. <i>Chemistry - A European Journal</i> , 2020 , 26, 3744-3748	11.8	4
160	Doping-Induced Superconductivity in the van der Waals Superatomic Crystal ReSeCl. <i>Nano Letters</i> , 2020 , 20, 1718-1724	11.5	13
159	Superatoms in materials science. <i>Nature Reviews Materials</i> , 2020 , 5, 371-387	73.3	46
158	Expanded Helicenes as Synthons for Chiral Macrocyclic Nanocarbons. <i>Journal of the American Chemical Society</i> , 2020 , 142, 11084-11091	16.4	17
157	Intermolecular Resonance Correlates Electron Pairs Down a Supermolecular Chain: Antiferromagnetism in K-Doped -Terphenyl. <i>Journal of the American Chemical Society</i> , 2020 , 142, 20624-20630	16.4	3
156	Cumulene Wires Display Increasing Conductance with Increasing Length. <i>Nano Letters</i> , 2020 , 20, 8415-8419	11.5	15
155	Air-stable, long-length, solution-based graphene nanoribbons. <i>Chemical Science</i> , 2020 , 11, 9978-9982	9.4	0
154	Single-Electron Currents in Designer Single-Cluster Devices. <i>Journal of the American Chemical Society</i> , 2020 , 142, 14924-14932	16.4	4
153	Dimensional Control of Assembling Metal Chalcogenide Clusters. <i>European Journal of Inorganic Chemistry</i> , 2020 , 2020, 1243-1243	2.3	
152	The importance of intramolecular conductivity in three dimensional molecular solids. <i>Chemical Science</i> , 2019 , 10, 9339-9344	9.4	3
151	Anisotropic Singlet Fission in Single Crystalline Hexacene. <i>IScience</i> , 2019 , 19, 1079-1089	6.1	11
150	Permethylation Introduces Destructive Quantum Interference in Saturated Silanes. <i>Journal of the American Chemical Society</i> , 2019 , 141, 15471-15476	16.4	16
149	Enhanced coupling through π -stacking in imidazole-based molecular junctions. <i>Chemical Science</i> , 2019 , 10, 9998-10002	9.4	18
148	Directing isomerization reactions of cumulenes with electric fields. <i>Nature Communications</i> , 2019 , 10, 4482	17.4	47
147	Defying strain in the synthesis of an electroactive bilayer helicene. <i>Chemical Science</i> , 2019 , 10, 1029-1034	9.4	26

146	In Situ Coupling of Single Molecules Driven by Gold-Catalyzed Electrooxidation. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 16008-16012	16.4	11
145	Mo6S3Br6: An Anisotropic 2D Superatomic Semiconductor. <i>Advanced Functional Materials</i> , 2019 , 29, 1902951	15.6	6
144	Dimensional Control in Contorted Aromatic Materials. <i>Chemical Record</i> , 2019 , 19, 1050-1061	6.6	10
143	Conjugated Macrocycles in Organic Electronics. <i>Accounts of Chemical Research</i> , 2019 , 52, 1068-1078	24.3	59
142	Synthesis, Regioselective Bromination, and Functionalization of Coronene Tetracarboxydiimide. <i>Journal of Organic Chemistry</i> , 2019 , 84, 2713-2720	4.2	6
141	Non-fullerene Acceptors for Harvesting Excitons from Semiconducting Carbon Nanotubes. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 21395-21402	3.8	9
140	Electrophotocatalysis with a Trisaminocyclopropenium Radical Dication. <i>Angewandte Chemie</i> , 2019 , 131, 13452-13456	3.6	35
139	Electrophotocatalysis with a Trisaminocyclopropenium Radical Dication. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 13318-13322	16.4	101
138	Controlling Singlet Fission by Molecular Contortion. <i>Journal of the American Chemical Society</i> , 2019 , 141, 13143-13147	16.4	21
137	Solution-Processable Superatomic Thin-Films. <i>Journal of the American Chemical Society</i> , 2019 , 141, 10967-10971	16.4	21
136	In Situ Coupling of Single Molecules Driven by Gold-Catalyzed Electrooxidation. <i>Angewandte Chemie</i> , 2019 , 131, 16154-16158	3.6	0
135	Long-Lived Charge Separation at Heterojunctions between Semiconducting Single-Walled Carbon Nanotubes and Perylene Diimide Electron Acceptors. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 14150-14161	3.8	16
134	Superatomic Two-Dimensional Semiconductor. <i>Nano Letters</i> , 2018 , 18, 1483-1488	11.5	25
133	Functionalized Helical Building Blocks for Nanoelectronics. <i>Organic Letters</i> , 2018 , 20, 1991-1994	6.2	15
132	Influence of Molecular Conformation on Electron Transport in Giant, Conjugated Macrocycles. <i>Journal of the American Chemical Society</i> , 2018 , 140, 10135-10139	16.4	27
131	Designing Three-Dimensional Architectures for High-Performance Electron Accepting Pseudocapacitors. <i>Journal of the American Chemical Society</i> , 2018 , 140, 10960-10964	16.4	56
130	Superatom Fusion and the Nature of Quantum Confinement. <i>Nano Letters</i> , 2018 , 18, 4564-4569	11.5	14
129	Comprehensive suppression of single-molecule conductance using destructive interference. <i>Nature</i> , 2018 , 558, 415-419	50.4	162

128	Electron Cartography in Clusters. <i>Angewandte Chemie</i> , 2018 , 130, 14011-14016	3.6	4
127	Large Variations in the Single-Molecule Conductance of Cyclic and Bicyclic Silanes. <i>Journal of the American Chemical Society</i> , 2018 , 140, 15080-15088	16.4	19
126	Electron Cartography in Clusters. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 13815-13820	16.4	14
125	Hollow organic capsules assemble into cellular semiconductors. <i>Nature Communications</i> , 2018 , 9, 1957	17.4	20
124	Three-Dimensional Graphene Nanostructures. <i>Journal of the American Chemical Society</i> , 2018 , 140, 9341-9345	16.4	70
123	A Helicene Nanoribbon with Greatly Amplified Chirality. <i>Journal of the American Chemical Society</i> , 2018 , 140, 6235-6239	16.4	73
122	Single-Walled Carbon Nanotubes: Mimics of Biological Ion Channels. <i>Nano Letters</i> , 2017 , 17, 1204-1211	11.5	45
121	Contorted Octabenzocircumbiphenyl Sorts Semiconducting Single-Walled Carbon Nanotubes with Structural Specificity. <i>Chemistry of Materials</i> , 2017 , 29, 595-604	9.6	1
120	Helical Nanoribbons for Ultra-Narrowband Photodetectors. <i>Journal of the American Chemical Society</i> , 2017 , 139, 5644-5647	16.4	74
119	Long, Atomically Precise Donor-Acceptor Cove-Edge Nanoribbons as Electron Acceptors. <i>Journal of the American Chemical Society</i> , 2017 , 139, 5648-5651	16.4	115
118	Coulomb engineering of the bandgap and excitons in two-dimensional materials. <i>Nature Communications</i> , 2017 , 8, 15251	17.4	334
117	Altering the Polymorphic Accessibility of Polycyclic Aromatic Hydrocarbons with Fluorination. <i>Chemistry of Materials</i> , 2017 , 29, 4311-4316	9.6	11
116	Epitaxially Self-Assembled Alkane Layers for Graphene Electronics. <i>Advanced Materials</i> , 2017 , 29, 1603925	24.3	21
115	Electrostatic melting in a single-molecule field-effect transistor with applications in genomic identification. <i>Nature Communications</i> , 2017 , 8, 15450	17.4	16
114	Silane and Germane Molecular Electronics. <i>Accounts of Chemical Research</i> , 2017 , 50, 1088-1095	24.3	63
113	Dynamics of the triplet-pair state reveals the likely coexistence of coherent and incoherent singlet fission in crystalline hexacene. <i>Nature Chemistry</i> , 2017 , 9, 341-346	17.6	130
112	Cove-Edge Nanoribbon Materials for Efficient Inverted Halide Perovskite Solar Cells. <i>Angewandte Chemie</i> , 2017 , 129, 14840-14844	3.6	13
111	Cove-Edge Nanoribbon Materials for Efficient Inverted Halide Perovskite Solar Cells. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 14648-14652	16.4	40

110	Silver Makes Better Electrical Contacts to Thiol-Terminated Silanes than Gold. <i>Angewandte Chemie</i> , 2017 , 129, 14333-14336	3.6	0
109	Weaving Nanoscale Cloth through Electrostatic Templating. <i>Journal of the American Chemical Society</i> , 2017 , 139, 11718-11721	16.4	25
108	Two-Dimensional Nanosheets from Redox-Active Superatoms. <i>ACS Central Science</i> , 2017 , 3, 1050-1055	16.8	26
107	Silver Makes Better Electrical Contacts to Thiol-Terminated Silanes than Gold. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 14145-14148	16.4	10
106	Single Electron Transistor with Single Aromatic Ring Molecule Covalently Connected to Graphene Nanogaps. <i>Nano Letters</i> , 2017 , 17, 5335-5341	11.5	39
105	Molecular Materials for Nonaqueous Flow Batteries with a High Coulombic Efficiency and Stable Cycling. <i>Nano Letters</i> , 2017 , 17, 7859-7863	11.5	36
104	Extreme Conductance Suppression in Molecular Siloxanes. <i>Journal of the American Chemical Society</i> , 2017 , 139, 10212-10215	16.4	20
103	Mechanism for Si-Si Bond Rupture in Single Molecule Junctions. <i>Journal of the American Chemical Society</i> , 2016 , 138, 16159-16164	16.4	21
102	Building Diatomic and Triatomic Superatom Molecules. <i>Nano Letters</i> , 2016 , 16, 5273-7	11.5	50
101	Chemical principles of single-molecule electronics. <i>Nature Reviews Materials</i> , 2016 , 1,	73.3	308
100	Single-Molecule Reaction Chemistry in Patterned Nanowells. <i>Nano Letters</i> , 2016 , 16, 4679-85	11.5	26
99	Tuning Conductance in Single-Molecule Wires. <i>Journal of the American Chemical Society</i> , 2016 , 138, 7791-5	16.4	20
98	van der Waals Solids from Self-Assembled Nanoscale Building Blocks. <i>Nano Letters</i> , 2016 , 16, 1445-9	11.5	47
97	Rigid, Conjugated Macrocycles for High Performance Organic Photodetectors. <i>Journal of the American Chemical Society</i> , 2016 , 138, 16426-16431	16.4	81
96	Patterning Superatom Dopants on Transition Metal Dichalcogenides. <i>Nano Letters</i> , 2016 , 16, 3385-9	11.5	44
95	Solvent-dependent conductance decay constants in single cluster junctions. <i>Chemical Science</i> , 2016 , 7, 2701-2705	9.4	24
94	Electron Delocalization in Perylene Diimide Helicenes. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 13519-13523	16.4	88
93	Macrocyclization in the Design of Organic n-Type Electronic Materials. <i>Journal of the American Chemical Society</i> , 2016 , 138, 12861-12867	16.4	74

92	Electron Delocalization in Perylene Diimide Helicenes. <i>Angewandte Chemie</i> , 2016 , 128, 13717-13721	3.6	26
91	Conformations of cyclopentasilane stereoisomers control molecular junction conductance. <i>Chemical Science</i> , 2016 , 7, 5657-5662	9.4	19
90	Chiral Conjugated Corrals. <i>Journal of the American Chemical Society</i> , 2015 , 137, 9982-7	16.4	81
89	An aptameric graphene nanosensor for label-free detection of small-molecule biomarkers. <i>Biosensors and Bioelectronics</i> , 2015 , 71, 222-229	11.8	41
88	A solid dielectric gated graphene nanosensor in electrolyte solutions. <i>Applied Physics Letters</i> , 2015 , 106, 123503	3.4	21
87	Strain-induced stereoselective formation of blue-emitting cyclostilbenes. <i>Journal of the American Chemical Society</i> , 2015 , 137, 12282-8	16.4	18
86	Single-molecule conductance in atomically precise germanium wires. <i>Journal of the American Chemical Society</i> , 2015 , 137, 12400-5	16.4	31
85	Molecular helices as electron acceptors in high-performance bulk heterojunction solar cells. <i>Nature Communications</i> , 2015 , 6, 8242	17.4	475
84	Contorted polycyclic aromatics. <i>Accounts of Chemical Research</i> , 2015 , 48, 267-76	24.3	297
83	Direct Observation of Entropy-Driven Electron-Hole Pair Separation at an Organic Semiconductor Interface. <i>Physical Review Letters</i> , 2015 , 114, 247003	7.4	70
82	Flicker Noise as a Probe of Electronic Interaction at Metal-Single Molecule Interfaces. <i>Nano Letters</i> , 2015 , 15, 4143-9	11.5	54
81	A solid-gated graphene fet sensor for PH measurements 2015 ,		3
80	Stereoelectronic switching in single-molecule junctions. <i>Nature Chemistry</i> , 2015 , 7, 215-20	17.6	134
79	Intra- to Intermolecular Singlet Fission. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 1312-1319	3.8	50
78	Electric field breakdown in single molecule junctions. <i>Journal of the American Chemical Society</i> , 2015 , 137, 5028-33	16.4	50
77	Helical ribbons for molecular electronics. <i>Journal of the American Chemical Society</i> , 2014 , 136, 8122-30	16.4	188
76	Ferromagnetic ordering in superatomic solids. <i>Journal of the American Chemical Society</i> , 2014 , 136, 16926-31	16.4	47
75	Heterostructures based on inorganic and organic van der Waals systems. <i>APL Materials</i> , 2014 , 2, 092511	5.7	52

74	Tuning polymorphism and orientation in organic semiconductor thin films via post-deposition processing. <i>Journal of the American Chemical Society</i> , 2014 , 136, 15749-56	16.4	74
73	Spectroscopic Study of Anisotropic Excitons in Single Crystal Hexacene. <i>Journal of Physical Chemistry Letters</i> , 2014 , 5, 3632-5	6.4	7
72	Efficient organic solar cells with helical perylene diimide electron acceptors. <i>Journal of the American Chemical Society</i> , 2014 , 136, 15215-21	16.4	366
71	Atomically thin p-n junctions with van der Waals heterointerfaces. <i>Nature Nanotechnology</i> , 2014 , 9, 676-81.7	16.7	1598
70	Organic Field Effect Transistors Based on Graphene and Hexagonal Boron Nitride Heterostructures. <i>Advanced Functional Materials</i> , 2014 , 24, 5157-5163	15.6	57
69	Silicon ring strain creates high-conductance pathways in single-molecule circuits. <i>Journal of the American Chemical Society</i> , 2013 , 135, 18331-4	16.4	38
68	Post-deposition processing methods to induce preferential orientation in contorted hexabenzocoronene thin films. <i>ACS Nano</i> , 2013 , 7, 294-300	16.7	46
67	Using self-organization to control morphology in molecular photovoltaics. <i>Journal of the American Chemical Society</i> , 2013 , 135, 2207-12	16.4	118
66	Supersized contorted aromatics. <i>Chemical Science</i> , 2013 , 4, 2018	9.4	122
65	Nanoscale atoms in solid-state chemistry. <i>Science</i> , 2013 , 341, 157-60	33.3	162
64	Donor-Acceptor Shape Matching Drives Performance in Photovoltaics. <i>Advanced Energy Materials</i> , 2013 , 3, 894-902	21.8	39
63	Ligand chemistry of titania precursor affects transient photovoltaic behavior in inverted organic solar cells. <i>Applied Physics Letters</i> , 2013 , 102, 103302	3.4	12
62	Alcohol-Promoted Ring-Opening Alkyne Metathesis Polymerization. <i>Angewandte Chemie</i> , 2013 , 125, 4689-4692	3.6	16
61	Controlled Doping in Thin-Film Transistors of Large Contorted Aromatic Compounds. <i>Angewandte Chemie</i> , 2013 , 125, 4656-4660	3.6	6
60	Innentitelbild: Alcohol-Promoted Ring-Opening Alkyne Metathesis Polymerization (Angew. Chem. 17/2013). <i>Angewandte Chemie</i> , 2013 , 125, 4592-4592	3.6	
59	Quantum Soldering of Individual Quantum Dots. <i>Angewandte Chemie</i> , 2012 , 124, 12641-12644	3.6	3
58	Assembly of Heterogeneous Functional Nanomaterials on DNA Origami Scaffolds. <i>Angewandte Chemie</i> , 2012 , 124, 11487-11489	3.6	0
57	Innenrücktitelbild: Quantum Soldering of Individual Quantum Dots (Angew. Chem. 50/2012). <i>Angewandte Chemie</i> , 2012 , 124, 12797-12797	3.6	

56	Quantum soldering of individual quantum dots. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 12473-6	16.4	33
55	Conductive molecular silicon. <i>Journal of the American Chemical Society</i> , 2012 , 134, 4541-4	16.4	74
54	Dissecting contact mechanics from quantum interference in single-molecule junctions of stilbene derivatives. <i>Nano Letters</i> , 2012 , 12, 1643-7	11.5	142
53	Bidentate Phenoxides as Ideal Activating Ligands for Living Ring-Opening Alkyne Metathesis Polymerization. <i>Macromolecules</i> , 2012 , 45, 5040-5044	5.5	21
52	Functionalizing molecular wires: a tunable class of π -diphenyl- π -dicyano-oligoenes. <i>Chemical Science</i> , 2012 , 3, 1007	9.4	24
51	Reticulated Organic Photovoltaics. <i>Advanced Functional Materials</i> , 2012 , 22, 1167-1173	15.6	12
50	A Supramolecular Complex in Small-Molecule Solar Cells based on Contorted Aromatic Molecules. <i>Angewandte Chemie</i> , 2012 , 124, 8722-8725	3.6	9
49	A supramolecular complex in small-molecule solar cells based on contorted aromatic molecules. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 8594-7	16.4	76
48	Debye screening in single-molecule carbon nanotube field-effect sensors. <i>Nano Letters</i> , 2011 , 11, 3739-43	11.5	74
47	Single-layer graphene cathodes for organic photovoltaics. <i>Applied Physics Letters</i> , 2011 , 98, 123303	3.4	53
46	Nanostructured electrodes for organic bulk heterojunction solar cells: Model study using carbon nanotube dispersed polythiophene-fullerene blend devices. <i>Journal of Applied Physics</i> , 2011 , 110, 064307	3.5	16
45	Label-free single-molecule detection of DNA-hybridization kinetics with a carbon nanotube field-effect transistor. <i>Nature Nanotechnology</i> , 2011 , 6, 126-32	28.7	287
44	Shape-shifting in contorted dibenzotetrathienocoronenes. <i>Chemical Science</i> , 2011 , 2, 1480-1486	9.4	87
43	Charge sensing using point-functionalized carbonnanotube transistors for single-molecule detection 2011 ,		1
42	Bending contorted hexabenzocoronene into a bowl. <i>Chemical Science</i> , 2011 , 2, 132-135	9.4	64
41	Conductance of single cobalt chalcogenide cluster junctions. <i>Journal of the American Chemical Society</i> , 2011 , 133, 8455-7	16.4	33
40	Self-Assembled Amphiphilic Diketopyrrolopyrrole-Based Oligothiophenes for Field-Effect Transistors and Solar Cells. <i>Chemistry of Materials</i> , 2011 , 23, 2285-2288	9.6	73
39	A single-molecule potentiometer. <i>Nano Letters</i> , 2011 , 11, 1575-9	11.5	98

38	Small-Molecule Thiophene-C60 Dyads As Compatibilizers in Inverted Polymer Solar Cells. <i>Chemistry of Materials</i> , 2010 , 22, 5762-5773	9.6	61
37	Unusual molecular conformations in fluorinated, contorted hexabenzocoronenes. <i>Organic Letters</i> , 2010 , 12, 4840-3	6.2	40
36	Translocation of single-stranded DNA through single-walled carbon nanotubes. <i>Science</i> , 2010 , 327, 64-7	33.3	268
35	Photovoltaic universal joints: ball-and-socket interfaces in molecular photovoltaic cells. <i>ChemPhysChem</i> , 2010 , 11, 799-803	3.2	65
34	Design of Living Ring-Opening Alkyne Metathesis. <i>Angewandte Chemie</i> , 2010 , 122, 7415-7418	3.6	33
33	Reticulated Heterojunctions for Photovoltaic Devices. <i>Angewandte Chemie</i> , 2010 , 122, 8081-8084	3.6	25
32	Reticulated heterojunctions for photovoltaic devices. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 7909-12	16.4	75
31	Photoresponsive nanoscale columnar transistors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 691-6	11.5	85
30	Frustrated rotations in single-molecule junctions. <i>Journal of the American Chemical Society</i> , 2009 , 131, 10820-1	16.4	77
29	Solar Cells from a Solution Processable Pentacene with Improved Air Stability. <i>Chemistry of Materials</i> , 2009 , 21, 4090-4092	9.6	41
28	Conductivity of a single DNA duplex bridging a carbon nanotube gap. <i>Nature Nanotechnology</i> , 2008 , 3, 163-7	28.7	287
27	Molecular electronic devices based on single-walled carbon nanotube electrodes. <i>Accounts of Chemical Research</i> , 2008 , 41, 1731-41	24.3	169
26	Amine-linked single-molecule circuits: systematic trends across molecular families. <i>Journal of Physics Condensed Matter</i> , 2008 , 20, 374115	1.8	85
25	Growth of serpentine carbon nanotubes on quartz substrates and their electrical properties. <i>Nano Research</i> , 2008 , 1, 427-433	10	28
24	Reversible switching in molecular electronic devices. <i>Journal of the American Chemical Society</i> , 2007 , 129, 12590-1	16.4	256
23	Single-molecule devices as scaffolding for multicomponent nanostructure assembly. <i>Nano Letters</i> , 2007 , 7, 1119-22	11.5	74
22	Polymer Growth by Functionalized Ruthenium Nanoparticles. <i>Macromolecules</i> , 2007 , 40, 8151-8155	5.5	16
21	Length dependence of charge transport in oligoanilines. <i>Applied Physics Letters</i> , 2007 , 90, 072112	3.4	26

20	Contact chemistry and single-molecule conductance: a comparison of phosphines, methyl sulfides, and amines. <i>Journal of the American Chemical Society</i> , 2007 , 129, 15768-9	16.4	299
19	Single-molecule circuits with well-defined molecular conductance. <i>Nano Letters</i> , 2006 , 6, 458-62	11.5	671
18	Covalently bridging gaps in single-walled carbon nanotubes with conducting molecules. <i>Science</i> , 2006 , 311, 356-9	33.3	390
17	Dependence of single-molecule junction conductance on molecular conformation. <i>Nature</i> , 2006 , 442, 904-7	50.4	1100
16	Formation of catalytic metal-molecule contacts. <i>Science</i> , 2005 , 309, 591-4	33.3	68
15	Molecular wires from contorted aromatic compounds. <i>Angewandte Chemie - International Edition</i> , 2005 , 44, 7390-4	16.4	270
14	Molecular Wires from Contorted Aromatic Compounds. <i>Angewandte Chemie</i> , 2005 , 117, 7556-7560	3.6	79
13	Conductance measurement of single-walled carbon nanotubes in aqueous environment. <i>Applied Physics Letters</i> , 2003 , 82, 2338-2340	3.4	28
12	Titelbild: Angew. Chem. 9/2002. <i>Angewandte Chemie</i> , 2002 , 114, 1513-1513	3.6	4
11	Molekulare Verkapselung. <i>Angewandte Chemie</i> , 2002 , 114, 1556-1578	3.6	247
10	Cover Picture: Angew. Chem. Int. Ed. 9/2002. <i>Angewandte Chemie - International Edition</i> , 2002 , 41, 1447-1447	16.4	3
9	Second-Order Nonlinear Optical Properties of Highly Symmetric Chiral Thin Films. <i>Langmuir</i> , 2001 , 17, 4685-4687	4	56
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4	Structure and Morphology of Helicene Fibers. <i>Journal of the American Chemical Society</i> , 1998 , 120, 264-268	16.4	120
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