

# Colin P Nuckolls

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2578777/publications.pdf>

Version: 2024-02-01

183  
papers

18,579  
citations

16791

66  
h-index

15253

130  
g-index

196  
all docs

196  
docs citations

196  
times ranked

21430  
citing authors

#	ARTICLE	IF	CITATIONS
1	Site-Selective Surface Modification of 2D Superatomic Re <sub>6</sub> Se <sub>8</sub> . Journal of the American Chemical Society, 2022, 144, 74-79.	6.6	10
2	Superatom Regiochemistry Dictates the Assembly and Surface Reactivity of a Two-Dimensional Material. Journal of the American Chemical Society, 2022, 144, 1119-1124.	6.6	6
3	High-Performance Organic Electronic Materials by Contorting Perylene Diimides. Journal of the American Chemical Society, 2022, 144, 42-51.	6.6	45
4	İE-Conjugated redox-active two-dimensional polymers as organic cathode materials. Chemical Science, 2022, 13, 3533-3538.	3.7	9
5	Broad-band Chiral Absorbance of Visible Light. Journal of the American Chemical Society, 2022, 144, 5263-5267.	6.6	3
6	Controlling Ligand Coordination Spheres and Cluster Fusion in Superatoms. Journal of the American Chemical Society, 2022, 144, 306-313.	6.6	10
7	Coupling between magnetic order and charge transport in a two-dimensional magnetic semiconductor. Nature Materials, 2022, 21, 754-760.	13.3	60
8	Visualizing Atomically Layered Magnetism in CrSBr. Advanced Materials, 2022, 34, e2201000.	11.1	22
9	Microbial nanocellulose biotextiles for a circular materials economy. Environmental Science Advances, 2022, 1, 276-284.	1.0	9
10	Increased Molecular Conductance in Oligo[ <i>n</i> ]phenylene Wires by Thermally Enhanced Dihedral Planarization. Nano Letters, 2022, 22, 4919-4924.	4.5	9
11	Highly conducting single-molecule topological insulators based on mono- and di-radical cations. Nature Chemistry, 2022, 14, 1061-1067.	6.6	38
12	Origin of Chiroptic Amplification in Perylene-Diimide Helicenes. Journal of Physical Chemistry C, 2021, 125, 2554-2564.	1.5	17
13	Linking optical spectra to free charges in donor/acceptor heterojunctions: cross-correlation of transient microwave and optical spectroscopy. Materials Horizons, 2021, 8, 1509-1517.	6.4	3
14	High-performance organic pseudocapacitors via molecular contortion. Nature Materials, 2021, 20, 1136-1141.	13.3	103
15	Magnetic Order and Symmetry in the 2D Semiconductor CrSBr. Nano Letters, 2021, 21, 3511-3517.	4.5	141
16	Superatomic solid solutions. Nature Chemistry, 2021, 13, 607-613.	6.6	15
17	A single-molecule blueprint for synthesis. Nature Reviews Chemistry, 2021, 5, 695-710.	13.8	24
18	Electrical conductivity in a non-covalent two-dimensional porous organic material with high crystallinity. Chemical Science, 2021, 12, 2955-2959.	3.7	3

#	ARTICLE	IF	CITATIONS
19	Chirality Amplified: Long, Discrete Helicene Nanoribbons. <i>Journal of the American Chemical Society</i> , 2021, 143, 983-991.	6.6	85
20	Polytypism, Anisotropic Transport, and Weyl Nodes in the van der Waals Metal TaFeTe <sub>4</sub> . <i>Journal of the American Chemical Society</i> , 2021, 143, 109-113.	6.6	4
21	Single-Molecule Junction Formation in Break-Junction Measurements. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 10802-10807.	2.1	23
22	Strongly Correlated Ladders in K-Doped p-Terphenyl Crystals. <i>Nano Letters</i> , 2021, 21, 9573-9579.	4.5	1
23	Pseudo-atomic orbital behavior in graphene nanoribbons with four-membered rings. <i>Science Advances</i> , 2021, 7, eabl5892.	4.7	11
24	Intermolecular Resonance Correlates Electron Pairs Down a Supermolecular Chain: Antiferromagnetism in K-Doped p-Terphenyl. <i>Journal of the American Chemical Society</i> , 2020, 142, 20624-20630.	6.6	3
25	Cumulene Wires Display Increasing Conductance with Increasing Length. <i>Nano Letters</i> , 2020, 20, 8415-8419.	4.5	47
26	Air-stable, long-length, solution-based graphene nanoribbons. <i>Chemical Science</i> , 2020, 11, 9978-9982.	3.7	3
27	Single-Electron Currents in Designer Single-Cluster Devices. <i>Journal of the American Chemical Society</i> , 2020, 142, 14924-14932.	6.6	16
28	Stringing the Perylene Diimide Bow. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 14303-14307.	7.2	23
29	Stringing the Perylene Diimide Bow. <i>Angewandte Chemie</i> , 2020, 132, 14409-14413.	1.6	5
30	Dimensional Control of Assembling Metal Chalcogenide Clusters. <i>European Journal of Inorganic Chemistry</i> , 2020, 2020, 1245-1254.	1.0	19
31	Using Deep Learning to Identify Molecular Junction Characteristics. <i>Nano Letters</i> , 2020, 20, 3320-3325.	4.5	27
32	The Structural Origins of Intense Circular Dichroism in a Wagging Helicene Nanoribbon. <i>Journal of the American Chemical Society</i> , 2020, 142, 7066-7074.	6.6	62
33	Shape Matching in Superatom Chemistry and Assembly. <i>Journal of the American Chemical Society</i> , 2020, 142, 11993-11998.	6.6	11
34	Supramolecular Assemblies for Electronic Materials. <i>Chemistry - A European Journal</i> , 2020, 26, 3744-3748.	1.7	14
35	Doping-Induced Superconductivity in the van der Waals Superatomic Crystal Re <sub>6</sub> Se <sub>8</sub> Cl <sub>2</sub> . <i>Nano Letters</i> , 2020, 20, 1718-1724.	4.5	28
36	Superatoms in materials science. <i>Nature Reviews Materials</i> , 2020, 5, 371-387.	23.3	105

#	ARTICLE	IF	CITATIONS
37	Dimensional Control of Assembling Metal Chalcogenide Clusters. <i>European Journal of Inorganic Chemistry</i> , 2020, 2020, 1243-1243.	1.0	0
38	Expanded Helicenes as Synthons for Chiral Macrocyclic Nanocarbons. <i>Journal of the American Chemical Society</i> , 2020, 142, 11084-11091.	6.6	45
39	Non-fullerene Acceptors for Harvesting Excitons from Semiconducting Carbon Nanotubes. <i>Journal of Physical Chemistry C</i> , 2019, 123, 21395-21402.	1.5	12
40	Electrophotocatalysis with a Trisaminocyclopropenium Radical Dication. <i>Angewandte Chemie</i> , 2019, 131, 13452-13456.	1.6	43
41	Electrophotocatalysis with a Trisaminocyclopropenium Radical Dication. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 13318-13322.	7.2	191
42	Controlling Singlet Fission by Molecular Contortion. <i>Journal of the American Chemical Society</i> , 2019, 141, 13143-13147.	6.6	47
43	Solution-Processable Superatomic Thin-Films. <i>Journal of the American Chemical Society</i> , 2019, 141, 10967-10971.	6.6	11
44	In Situ Coupling of Single Molecules Driven by Gold-Catalyzed Electrooxidation. <i>Angewandte Chemie</i> , 2019, 131, 16154-16158.	1.6	3
45	The importance of intramolecular conductivity in three dimensional molecular solids. <i>Chemical Science</i> , 2019, 10, 9339-9344.	3.7	7
46	Anisotropic Singlet Fission in Single Crystalline Hexacene. <i>IScience</i> , 2019, 19, 1079-1089.	1.9	16
47	Permethylation Introduces Destructive Quantum Interference in Saturated Silanes. <i>Journal of the American Chemical Society</i> , 2019, 141, 15471-15476.	6.6	28
48	Enhanced coupling through $\pi$ -stacking in imidazole-based molecular junctions. <i>Chemical Science</i> , 2019, 10, 9998-10002.	3.7	38
49	Directing isomerization reactions of cumulenes with electric fields. <i>Nature Communications</i> , 2019, 10, 4482.	5.8	97
50	Defying strain in the synthesis of an electroactive bilayer helicene. <i>Chemical Science</i> , 2019, 10, 1029-1034.	3.7	47
51	In Situ Coupling of Single Molecules Driven by Gold-Catalyzed Electrooxidation. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 16008-16012.	7.2	23
52	Mo <sub>6</sub> S <sub>3</sub> Br <sub>6</sub> : An Anisotropic 2D Superatomic Semiconductor. <i>Advanced Functional Materials</i> , 2019, 29, 1902951.	7.8	10
53	Dimensional Control in Contorted Aromatic Materials. <i>Chemical Record</i> , 2019, 19, 1050-1061.	2.9	24
54	Conjugated Macrocycles in Organic Electronics. <i>Accounts of Chemical Research</i> , 2019, 52, 1068-1078.	7.6	107

#	ARTICLE	IF	CITATIONS
55	Synthesis, Regioselective Bromination, and Functionalization of Coronene Tetracarboxydiimide. <i>Journal of Organic Chemistry</i> , 2019, 84, 2713-2720.	1.7	14
56	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.	1.5	18
57	Superatomic Two-Dimensional Semiconductor. <i>Nano Letters</i> , 2018, 18, 1483-1488.	4.5	41
58	Functionalized Helical Building Blocks for Nanoelectronics. <i>Organic Letters</i> , 2018, 20, 1991-1994.	2.4	20
59	Electron Cartography in Clusters. <i>Angewandte Chemie</i> , 2018, 130, 14011-14016.	1.6	4
60	Large Variations in the Single-Molecule Conductance of Cyclic and Bicyclic Silanes. <i>Journal of the American Chemical Society</i> , 2018, 140, 15080-15088.	6.6	27
61	Electron Cartography in Clusters. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 13815-13820.	7.2	24
62	Hollow organic capsules assemble into cellular semiconductors. <i>Nature Communications</i> , 2018, 9, 1957.	5.8	34
63	Three-Dimensional Graphene Nanostructures. <i>Journal of the American Chemical Society</i> , 2018, 140, 9341-9345.	6.6	93
64	A Helicene Nanoribbon with Greatly Amplified Chirality. <i>Journal of the American Chemical Society</i> , 2018, 140, 6235-6239.	6.6	110
65	Influence of Molecular Conformation on Electron Transport in Giant, Conjugated Macrocycles. <i>Journal of the American Chemical Society</i> , 2018, 140, 10135-10139.	6.6	48
66	Designing Three-Dimensional Architectures for High-Performance Electron Accepting Pseudocapacitors. <i>Journal of the American Chemical Society</i> , 2018, 140, 10960-10964.	6.6	78
67	Superatom Fusion and the Nature of Quantum Confinement. <i>Nano Letters</i> , 2018, 18, 4564-4569.	4.5	18
68	Comprehensive suppression of single-molecule conductance using destructive $\tilde{f}$ -interference. <i>Nature</i> , 2018, 558, 415-419.	13.7	256
69	Single-Walled Carbon Nanotubes: Mimics of Biological Ion Channels. <i>Nano Letters</i> , 2017, 17, 1204-1211.	4.5	64
70	Contorted Octabenzocircumbiphenyl Sorts Semiconducting Single-Walled Carbon Nanotubes with Structural Specificity. <i>Chemistry of Materials</i> , 2017, 29, 595-604.	3.2	2
71	Helical Nanoribbons for Ultra-Narrowband Photodetectors. <i>Journal of the American Chemical Society</i> , 2017, 139, 5644-5647.	6.6	97
72	Long, Atomically Precise Donor-acceptor Cove-Edge Nanoribbons as Electron Acceptors. <i>Journal of the American Chemical Society</i> , 2017, 139, 5648-5651.	6.6	150

#	ARTICLE	IF	CITATIONS
73	Coulomb engineering of the bandgap and excitons in two-dimensional materials. <i>Nature Communications</i> , 2017, 8, 15251.	5.8	526
74	Altering the Polymorphic Accessibility of Polycyclic Aromatic Hydrocarbons with Fluorination. <i>Chemistry of Materials</i> , 2017, 29, 4311-4316.	3.2	16
75	Epitaxially Self-Assembled Alkane Layers for Graphene Electronics. <i>Advanced Materials</i> , 2017, 29, 1603925.	11.1	24
76	Electrostatic melting in a single-molecule field-effect transistor with applications in genomic identification. <i>Nature Communications</i> , 2017, 8, 15450.	5.8	30
77	Silane and Germane Molecular Electronics. <i>Accounts of Chemical Research</i> , 2017, 50, 1088-1095.	7.6	96
78	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.	6.6	155
79	Cove-Edge Nanoribbon Materials for Efficient Inverted Halide Perovskite Solar Cells. <i>Angewandte Chemie</i> , 2017, 129, 14840-14844.	1.6	16
80	Cove-Edge Nanoribbon Materials for Efficient Inverted Halide Perovskite Solar Cells. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 14648-14652.	7.2	51
81	Silver Makes Better Electrical Contacts to Thiol-Terminated Silanes than Gold. <i>Angewandte Chemie</i> , 2017, 129, 14333-14336.	1.6	2
82	Weaving Nanoscale Cloth through Electrostatic Templating. <i>Journal of the American Chemical Society</i> , 2017, 139, 11718-11721.	6.6	36
83	Two-Dimensional Nanosheets from Redox-Active Superatoms. <i>ACS Central Science</i> , 2017, 3, 1050-1055.	5.3	38
84	Silver Makes Better Electrical Contacts to Thiol-Terminated Silanes than Gold. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 14145-14148.	7.2	19
85	Single Electron Transistor with Single Aromatic Ring Molecule Covalently Connected to Graphene Nanogaps. <i>Nano Letters</i> , 2017, 17, 5335-5341.	4.5	50
86	Molecular Materials for Nonaqueous Flow Batteries with a High Coulombic Efficiency and Stable Cycling. <i>Nano Letters</i> , 2017, 17, 7859-7863.	4.5	57
87	Extreme Conductance Suppression in Molecular Siloxanes. <i>Journal of the American Chemical Society</i> , 2017, 139, 10212-10215.	6.6	33
88	Rigid, Conjugated Macrocycles for High Performance Organic Photodetectors. <i>Journal of the American Chemical Society</i> , 2016, 138, 16426-16431.	6.6	98
89	Patterning Superatom Dopants on Transition Metal Dichalcogenides. <i>Nano Letters</i> , 2016, 16, 3385-3389.	4.5	47
90	Solvent-dependent conductance decay constants in single cluster junctions. <i>Chemical Science</i> , 2016, 7, 2701-2705.	3.7	31

#	ARTICLE	IF	CITATIONS
91	Electron Delocalization in Perylene Diimide Helicenes. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 13519-13523.	7.2	123
92	Macrocyclization in the Design of Organic n-Type Electronic Materials. <i>Journal of the American Chemical Society</i> , 2016, 138, 12861-12867.	6.6	101
93	Electron Delocalization in Perylene Diimide Helicenes. <i>Angewandte Chemie</i> , 2016, 128, 13717-13721.	1.6	32
94	Conformations of cyclopentasilane stereoisomers control molecular junction conductance. <i>Chemical Science</i> , 2016, 7, 5657-5662.	3.7	24
95	Mechanism for Si-Si Bond Rupture in Single Molecule Junctions. <i>Journal of the American Chemical Society</i> , 2016, 138, 16159-16164.	6.6	29
96	Building Diatomic and Triatomic Superatom Molecules. <i>Nano Letters</i> , 2016, 16, 5273-5277.	4.5	65
97	Chemical principles of single-molecule electronics. <i>Nature Reviews Materials</i> , 2016, 1, .	23.3	442
98	Single-Molecule Reaction Chemistry in Patterned Nanowells. <i>Nano Letters</i> , 2016, 16, 4679-4685.	4.5	38
99	Tuning Conductance in Single-Molecule Wires. <i>Journal of the American Chemical Society</i> , 2016, 138, 7791-7795.	6.6	27
100	van der Waals Solids from Self-Assembled Nanoscale Building Blocks. <i>Nano Letters</i> , 2016, 16, 1445-1449.	4.5	56
101	Direct Observation of Entropy-Driven Electron-Hole Pair Separation at an Organic Semiconductor Interface. <i>Physical Review Letters</i> , 2015, 114, 247003.	2.9	82
102	Stepping into the Light: Conjugated Macrocycles with Donor-Acceptor Motifs. <i>ACS Central Science</i> , 2015, 1, 416-417.	5.3	29
103	Flicker Noise as a Probe of Electronic Interaction at Metal-Single Molecule Interfaces. <i>Nano Letters</i> , 2015, 15, 4143-4149.	4.5	109
104	A solid-gated graphene fet sensor for PH measurements. , 2015, , .		4
105	Stereoelectronic switching in single-molecule junctions. <i>Nature Chemistry</i> , 2015, 7, 215-220.	6.6	176
106	Intra- to Intermolecular Singlet Fission. <i>Journal of Physical Chemistry C</i> , 2015, 119, 1312-1319.	1.5	65
107	Electric Field Breakdown in Single Molecule Junctions. <i>Journal of the American Chemical Society</i> , 2015, 137, 5028-5033.	6.6	67
108	Chiral Conjugated Corrals. <i>Journal of the American Chemical Society</i> , 2015, 137, 9982-9987.	6.6	104

#	ARTICLE	IF	CITATIONS
109	An aptameric graphene nanosensor for label-free detection of small-molecule biomarkers. <i>Biosensors and Bioelectronics</i> , 2015, 71, 222-229.	5.3	53
110	A solid dielectric gated graphene nanosensor in electrolyte solutions. <i>Applied Physics Letters</i> , 2015, 106, 123503.	1.5	27
111	Strain-Induced Stereoselective Formation of Blue-Emitting Cyclostilbenes. <i>Journal of the American Chemical Society</i> , 2015, 137, 12282-12288.	6.6	20
112	Single-Molecule Conductance in Atomically Precise Germanium Wires. <i>Journal of the American Chemical Society</i> , 2015, 137, 12400-12405.	6.6	43
113	Molecular helices as electron acceptors in high-performance bulk heterojunction solar cells. <i>Nature Communications</i> , 2015, 6, 8242.	5.8	525
114	Contorted Polycyclic Aromatics. <i>Accounts of Chemical Research</i> , 2015, 48, 267-276.	7.6	366
115	Helical Ribbons for Molecular Electronics. <i>Journal of the American Chemical Society</i> , 2014, 136, 8122-8130.	6.6	243
116	Ferromagnetic Ordering in Superatomic Solids. <i>Journal of the American Chemical Society</i> , 2014, 136, 16926-16931.	6.6	58
117	Heterostructures based on inorganic and organic van der Waals systems. <i>APL Materials</i> , 2014, 2, .	2.2	57
118	Tuning Polymorphism and Orientation in Organic Semiconductor Thin Films via Post-deposition Processing. <i>Journal of the American Chemical Society</i> , 2014, 136, 15749-15756.	6.6	89
119	Spectroscopic Study of Anisotropic Excitons in Single Crystal Hexacene. <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 3632-3635.	2.1	10
120	Efficient Organic Solar Cells with Helical Perylene Diimide Electron Acceptors. <i>Journal of the American Chemical Society</i> , 2014, 136, 15215-15221.	6.6	414
121	Atomically thin p-n junctions with van der Waals heterointerfaces. <i>Nature Nanotechnology</i> , 2014, 9, 676-681.	15.6	1,953
122	Organic Field Effect Transistors Based on Graphene and Hexagonal Boron Nitride Heterostructures. <i>Advanced Functional Materials</i> , 2014, 24, 5157-5163.	7.8	64
123	Silicon Ring Strain Creates High-Conductance Pathways in Single-Molecule Circuits. <i>Journal of the American Chemical Society</i> , 2013, 135, 18331-18334.	6.6	42
124	Post-deposition Processing Methods To Induce Preferential Orientation in Contorted Hexabenzocoronene Thin Films. <i>ACS Nano</i> , 2013, 7, 294-300.	7.3	50
125	Using Self-Organization To Control Morphology in Molecular Photovoltaics. <i>Journal of the American Chemical Society</i> , 2013, 135, 2207-2212.	6.6	126
126	Supersized contorted aromatics. <i>Chemical Science</i> , 2013, 4, 2018.	3.7	141



#	ARTICLE	IF	CITATIONS
127	Nanoscale Atoms in Solid-State Chemistry. <i>Science</i> , 2013, 341, 157-160.	6.0	199
128	Donor-acceptor Shape Matching Drives Performance in Photovoltaics. <i>Advanced Energy Materials</i> , 2013, 3, 894-902.	10.2	43
129	Ligand chemistry of titania precursor affects transient photovoltaic behavior in inverted organic solar cells. <i>Applied Physics Letters</i> , 2013, 102, 103302.	1.5	12
130	Innenteilbild: Alcohol-Promoted Ring-Opening Alkyne Metathesis Polymerization ( <i>Angew. Chem.</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.6	0
131	InnenrÄ¼cktitelbild: Quantum Soldering of Individual Quantum Dots ( <i>Angew. Chem.</i> 50/2012). <i>Angewandte Chemie</i> , 2012, 124, 12797-12797.	1.6	0
132	Quantum Soldering of Individual Quantum Dots. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 12473-12476.	7.2	37
133	Conductive Molecular Silicon. <i>Journal of the American Chemical Society</i> , 2012, 134, 4541-4544.	6.6	91
134	Dissecting Contact Mechanics from Quantum Interference in Single-Molecule Junctions of Stilbene Derivatives. <i>Nano Letters</i> , 2012, 12, 1643-1647.	4.5	161
135	Bidentate Phenoxides as Ideal Activating Ligands for Living Ring-Opening Alkyne Metathesis Polymerization. <i>Macromolecules</i> , 2012, 45, 5040-5044.	2.2	23
136	Functionalizing molecular wires: a tunable class of $\hat{\pm}, \hat{1}/4, \hat{1}/2$ -diphenyl- $\hat{1}/4, \hat{1}/2$ -dicyano-oligoenes. <i>Chemical Science</i> , 2012, 3, 1007.	3.7	29
137	Reticulated Organic Photovoltaics. <i>Advanced Functional Materials</i> , 2012, 22, 1167-1173.	7.8	13
138	A Supramolecular Complex in Small-Molecule Solar Cells based on Contorted Aromatic Molecules. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 8594-8597.	7.2	82
139	Charge sensing using point-functionalized carbonnanotube transistors for single-molecule detection. , 2011, , .		1
140	Bending contorted hexabenzocoronene into a bowl. <i>Chemical Science</i> , 2011, 2, 132-135.	3.7	69
141	Conductance of Single Cobalt Chalcogenide Cluster Junctions. <i>Journal of the American Chemical Society</i> , 2011, 133, 8455-8457.	6.6	41
142	Self-Assembled Amphiphilic Diketopyrrolopyrrole-Based Oligothiophenes for Field-Effect Transistors and Solar Cells. <i>Chemistry of Materials</i> , 2011, 23, 2285-2288.	3.2	80
143	A Single-Molecule Potentiometer. <i>Nano Letters</i> , 2011, 11, 1575-1579.	4.5	111
144	Debye Screening in Single-Molecule Carbon Nanotube Field-Effect Sensors. <i>Nano Letters</i> , 2011, 11, 3739-3743.	4.5	88

#	ARTICLE	IF	CITATIONS
145	Single-layer graphene cathodes for organic photovoltaics. <i>Applied Physics Letters</i> , 2011, 98, .	1.5	60
146	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, .	1.1	17
147	Label-free single-molecule detection of DNA-hybridization kinetics with a carbon nanotube field-effect transistor. <i>Nature Nanotechnology</i> , 2011, 6, 126-132.	15.6	360
148	Shape-shifting in contorted dibenzotetrathienocoronenes. <i>Chemical Science</i> , 2011, 2, 1480-1486.	3.7	100
149	Photovoltaic Universal Joints: Ball&ndash;Socket Interfaces in Molecular Photovoltaic Cells. <i>ChemPhysChem</i> , 2010, 11, 799-803.	1.0	74
150	Reticulated Heterojunctions for Photovoltaic Devices. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 7909-7912.	7.2	80
151	Small-Molecule Thiophene-C <sub>60</sub> Dyads As Compatibilizers in Inverted Polymer Solar Cells. <i>Chemistry of Materials</i> , 2010, 22, 5762-5773.	3.2	68
152	Unusual Molecular Conformations in Fluorinated, Contorted Hexabenzocoronenes. <i>Organic Letters</i> , 2010, 12, 4840-4843.	2.4	42
153	Translocation of Single-Stranded DNA Through Single-Walled Carbon Nanotubes. <i>Science</i> , 2010, 327, 64-67.	6.0	296
154	Photoresponsive nanoscale columnar transistors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 691-696.	3.3	94
155	Frustrated Rotations in Single-Molecule Junctions. <i>Journal of the American Chemical Society</i> , 2009, 131, 10820-10821.	6.6	89
156	Solar Cells from a Solution Processable Pentacene with Improved Air Stability. <i>Chemistry of Materials</i> , 2009, 21, 4090-4092.	3.2	43
157	Growth of serpentine carbon nanotubes on quartz substrates and their electrical properties. <i>Nano Research</i> , 2008, 1, 427-433.	5.8	28
158	Conductivity of a single DNA duplex bridging a carbon nanotube gap. <i>Nature Nanotechnology</i> , 2008, 3, 163-167.	15.6	308
159	Molecular Electronic Devices Based on Single-Walled Carbon Nanotube Electrodes. <i>Accounts of Chemical Research</i> , 2008, 41, 1731-1741.	7.6	182
160	Amine-linked single-molecule circuits: systematic trends across molecular families. <i>Journal of Physics Condensed Matter</i> , 2008, 20, 374115.	0.7	95
161	Length dependence of charge transport in oligoanilines. <i>Applied Physics Letters</i> , 2007, 90, 072112.	1.5	27
162	Contact Chemistry and Single-Molecule Conductance: A Comparison of Phosphines, Methyl Sulfides, and Amines. <i>Journal of the American Chemical Society</i> , 2007, 129, 15768-15769.	6.6	352

#	ARTICLE	IF	CITATIONS
163	Reversible Switching in Molecular Electronic Devices. <i>Journal of the American Chemical Society</i> , 2007, 129, 12590-12591.	6.6	282
164	Single-Molecule Devices as Scaffolding for Multicomponent Nanostructure Assembly. <i>Nano Letters</i> , 2007, 7, 1119-1122.	4.5	78
165	Polymer Growth by Functionalized Ruthenium Nanoparticles. <i>Macromolecules</i> , 2007, 40, 8151-8155.	2.2	16
166	Single-Molecule Circuits with Well-Defined Molecular Conductance. <i>Nano Letters</i> , 2006, 6, 458-462.	4.5	734
167	Covalently Bridging Gaps in Single-Walled Carbon Nanotubes with Conducting Molecules. <i>Science</i> , 2006, 311, 356-359.	6.0	438
168	Dependence of single-molecule junction conductance on molecular conformation. <i>Nature</i> , 2006, 442, 904-907.	13.7	1,253
169	Molecular Wires from Contorted Aromatic Compounds. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 7390-7394.	7.2	293
170	Probing Nanoscale Pentacene Films by Resonant Raman Scattering. <i>AIP Conference Proceedings</i> , 2005, , .	0.3	0
171	Formation of Catalytic Metal-Molecule Contacts. <i>Science</i> , 2005, 309, 591-594.	6.0	69
172	Conductance measurement of single-walled carbon nanotubes in aqueous environment. <i>Applied Physics Letters</i> , 2003, 82, 2338-2340.	1.5	32
173	Titelbild: <i>Angew. Chem.</i> 9/2002. <i>Angewandte Chemie</i> , 2002, 114, 1513-1513.	1.6	4
174	Molekulare Verkapselung. <i>Angewandte Chemie</i> , 2002, 114, 1556-1578.	1.6	286
175	Cover Picture: <i>Angew. Chem. Int. Ed.</i> 9/2002. <i>Angewandte Chemie - International Edition</i> , 2002, 41, 1447-1447.	7.2	5
176	Second-Order Nonlinear Optical Properties of Highly Symmetric Chiral Thin Films. <i>Langmuir</i> , 2001, 17, 4685-4687.	1.6	61
177	Quasi-Phase-Matching in Chiral Materials. <i>Physical Review Letters</i> , 2000, 84, 79-82.	2.9	44
178	Synthesis and Aggregation of a Conjugated Helical Molecule. <i>Journal of the American Chemical Society</i> , 1999, 121, 79-88.	6.6	150
179	Synthesis, Structure, and Properties of a Helical Columnar Liquid Crystal. <i>Journal of the American Chemical Society</i> , 1998, 120, 9541-9544.	6.6	131
180	Strong Enhancement of Nonlinear Optical Properties Through Supramolecular Chirality. , 1998, 282, 913-915.		680

#	ARTICLE	IF	CITATIONS
181	Structure and Morphology of Helicene Fibers. Journal of the American Chemical Society, 1998, 120, 264-268.	6.6	134
182	Circular Dichroism and UV-Visible Absorption Spectra of the Langmuir-Blodgett Films of an Aggregating Helicene. Journal of the American Chemical Society, 1998, 120, 8656-8660.	6.6	115
183	Aggregation of Conjugated Helical Molecules. Journal of the American Chemical Society, 1996, 118, 3767-3768.	6.6	155