Ron Naaman

List of Publications by Year
in descending order

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214	11,852	22153	31849
papers	citations	59 h-index	101 g-index

224	224	224	6856
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Spin Selectivity in Electron Transmission Through Self-Assembled Monolayers of Double-Stranded DNA. Science, 2011, 331, 894-897.	12.6	615
2	Chiral molecules and the electron spin. Nature Reviews Chemistry, 2019, 3, 250-260.	30.2	462
3	Chiral-Induced Spin Selectivity Effect. Journal of Physical Chemistry Letters, 2012, 3, 2178-2187.	4.6	427
4	Spintronics and Chirality: Spin Selectivity in Electron Transport Through Chiral Molecules. Annual Review of Physical Chemistry, 2015, 66, 263-281.	10.8	374
5	Spin Specific Electron Conduction through DNA Oligomers. Nano Letters, 2011, 11, 4652-4655.	9.1	323
6	Helicenesâ€"A New Class of Organic Spin Filter. Advanced Materials, 2016, 28, 1957-1962.	21.0	319
7	Asymmetric Scattering of Polarized Electrons by Organized Organic Films of Chiral Molecules. Science, 1999, 283, 814-816.	12.6	311
8	Separation of enantiomers by their enantiospecific interaction with achiral magnetic substrates. Science, 2018, 360, 1331-1334.	12.6	283
9	Control of Electronsâ€™ Spin Eliminates Hydrogen Peroxide Formation During Water Splitting. Journal of the American Chemical Society, 2017, 139, 2794-2798.	13.7	225
10	High Circular Polarization of Electroluminescence Achieved via Self-Assembly of a Light-Emitting Chiral Conjugated Polymer into Multidomain Cholesteric Films. ACS Nano, 2017, 11, 12713-12722.	14.6	197
11	Spin-selective transport through helical molecular systems. Physical Review B, 2012, 85, .	3.2	194
12	The electron's spin and molecular chirality â€“ how are they related and how do they affect life processes?. Chemical Society Reviews, 2016, 45, 6478-6487.	38.1	194
13	Spin-dependent electron transmission through bacteriorhodopsin embedded in purple membrane. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 14872-14876.	7.1	193
14	Chiral spintronics. Nature Reviews Physics, 2021, 3, 328-343.	26.6	191
15	Spin Filtering in Electron Transport Through Chiral Oligopeptides. Journal of Physical Chemistry C, 2015, 119, 14542-14547.	3.1	171
16	The Cooperative Molecular Field Effect. Advanced Functional Materials, 2005, 15, 1571-1578.	14.9	164
17	Confocal Fluorescence Imaging of DNA-Functionalized Carbon Nanotubes. Nano Letters, 2003, 3, 153-155.	9.1	158
18	Chirality-induced spin polarization places symmetry constraints on biomolecular interactions. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 2474-2478.	7.1	155

#	Article	IF	Citations
19	Magnetism induced by the organization of self-assembled monolayers. Journal of Chemical Physics, 2003, 118, 10372-10375.	3.0	153
20	A chiral-based magnetic memory device without a permanent magnet. Nature Communications, 2013, 4, 2256.	12.8	151
21	Role of the Electron Spin Polarization in Water Splitting. Journal of Physical Chemistry Letters, 2015, 6, 4916-4922.	4.6	147
22	Highly Efficient and Tunable Filtering of Electrons' Spin by Supramolecular Chirality of Nanofiberâ€Based Materials. Advanced Materials, 2020, 32, e1904965.	21.0	139
23	The chiroptical signature of achiral metal clusters induced by dissymmetric adsorbates. Physical Chemistry Chemical Physics, 2006, 8, 63-67.	2.8	134
24	Magnetization switching in ferromagnets by adsorbed chiral molecules without current or external magnetic field. Nature Communications, 2017, 8, 14567.	12.8	132
25	Spin-Dependent Transport through Chiral Molecules Studied by Spin-Dependent Electrochemistry. Accounts of Chemical Research, 2016, 49, 2560-2568.	15.6	129
26	Chiral Molecules and the Spin Selectivity Effect. Journal of Physical Chemistry Letters, 2020, 11, 3660-3666.	4.6	126
27	Chiral Conductive Polymers as Spin Filters. Advanced Materials, 2015, 27, 1924-1927.	21.0	121
28	Theory of Chirality Induced Spin Selectivity: Progress and Challenges. Advanced Materials, 2022, 34, e2106629.	21.0	119
29	Immobilizing a Drop of Water: Fabricating Highly Hydrophobic Surfaces that Pin Water Droplets. Nano Letters, 2008, 8, 1241-1245.	9.1	114
30	Enhanced Electrochemical Water Splitting with Chiral Molecule-Coated Fe₃O₄ Nanoparticles. ACS Energy Letters, 2018, 3, 2308-2313.	17.4	103
31	Chiral Induced Spin Selectivity Gives a New Twist on Spin-Control in Chemistry. Accounts of Chemical Research, 2020, 53, 2659-2667.	15.6	102
32	Spin Selective Charge Transport through Cysteine Capped CdSe Quantum Dots. Nano Letters, 2016, 16, 4583-4589.	9.1	99
33	Chiral imprinting of palladium with cinchona alkaloids. Nature Chemistry, 2009, 1, 160-164.	13.6	94
34	Controlling Chemical Selectivity in Electrocatalysis with Chiral CuO-Coated Electrodes. Journal of Physical Chemistry C, 2019, 123, 3024-3031.	3.1	92
35	Length-Dependent Electron Spin Polarization in Oligopeptides and DNA. Journal of Physical Chemistry C, 2020, 124, 10776-10782.	3.1	90
36	The spin selectivity effect in chiral materials. APL Materials, 2021, 9, 040902.	5.1	88

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37	Characterization of wet-etched GaAs (100) surfaces. Surface and Interface Analysis, 2005, 37, 673-682.	1.8	87
38	Field and Chirality Effects on Electrochemical Charge Transfer Rates: Spin Dependent Electrochemistry. ACS Nano, 2015, 9, 3377-3384.	14.6	85
39	Cold denaturation induces inversion of dipole and spin transfer in chiral peptide monolayers. Nature Communications, 2016, 7, 10744.	12.8	83
40	Spin Selectivity in Photoinduced Charge-Transfer Mediated by Chiral Molecules. ACS Nano, 2019, 13, 4928-4946.	14.6	82
41	Interaction of Self-Assembled Monolayers of DNA with Electrons: HREELS and XPS Studies. Journal of Physical Chemistry B, 2008, 112, 6957-6964.	2.6	79
42	Non-magnetic organic/inorganic spin injector at room temperature. Applied Physics Letters, 2014, 105, .	3.3	78
43	Origin of Spin-Dependent Tunneling Through Chiral Molecules. Journal of Physical Chemistry C, 2019, 123, 17043-17048.	3.1	78
44	A new approach towards spintronicsâ€“spintronics with no magnets. Journal of Physics Condensed Matter, 2017, 29, 103002.	1.8	76
45	A Chirality-Based Quantum Leap. ACS Nano, 2022, 16, 4989-5035.	14.6	74
46	Spin Selectivity in Electron Transfer in Photosystem I. Angewandte Chemie - International Edition, 2014, 53, 8953-8958.	13.8	73
47	Single Nanoparticle Magnetic Spin Memristor. Small, 2018, 14, e1801249.	10.0	70
48	Controlling the Adsorption and Reactivity of DNA on Gold. Langmuir, 2003, 19, 10573-10580.	3.5	69
49	Structure dependent spin selectivity in electron transport through oligopeptides. Journal of Chemical Physics, 2017, 146, .	3.0	69
50	Spin Filtering in Supramolecular Polymers Assembled from Achiral Monomers Mediated by Chiral Solvents. Journal of the American Chemical Society, 2021, 143, 7189-7195.	13.7	68
51	Spin-Dependent Electron Transport through Bacterial Cell Surface Multiheme Electron Conduits. Journal of the American Chemical Society, 2019, 141, 19198-19202.	13.7	67
52	The Electron Spin as a Chiral Reagent. Angewandte Chemie - International Edition, 2020, 59, 1653-1658.	13.8	65
53	Effect of Chiral Molecules on the Electronâ€™s Spin Wavefunction at Interfaces. Journal of Physical Chemistry Letters, 2020, 11, 1550-1557.	4.6	65
54	Low-Energy Electron Transmission through Thin-Film Molecular and Biomolecular Solids. Chemical Reviews, 2007, 107, 1553-1579.	47.7	64

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55	Spin Filtering Along Chiral Polymers. Angewandte Chemie - International Edition, 2020, 59, 14671-14676.	13.8	64
56	Magnetization of Chiral Monolayers of Polypeptide: A Possible Source of Magnetism in Some Biological Membranes We are grateful to Prof. M. Fridkin and his group for helping us in the synthesis of the polyalanine. Partial support from the USâ€“Israel Binational Science Foundation is acknowledged.. Angewandte Chemie - International Edition, 2002, 41, 761.	13.8	63
57	Sequence Dependence of Charge Transport Properties of DNA. Journal of Physical Chemistry B, 2006, 110, 8910-8913.	2.6	63
58	Chirality Induction in Bulk Gold and Silver. Advanced Materials, 2007, 19, 1207-1211.	21.0	63
59	Enantioseparation by crystallization using magnetic substrates. Chemical Science, 2019, 10, 5246-5250.	7.4	62
60	The reactions of O(1D) with CH4and C3H8monomers and clusters. Journal of Chemical Physics, 1993, 99, 4500-4508.	3.0	60
61	Molecular control of a GaAs transistor. Chemical Physics Letters, 1998, 283, 301-306.	2.6	60
62	Electrical properties of short DNA oligomers characterized by conducting atomic force microscopy. Physical Chemistry Chemical Physics, 2004, 6, 4459.	2.8	59
63	Molecular Chirality and Charge Transfer through Self-Assembled Scaffold Monolayers. Journal of Physical Chemistry B, 2006, 110, 1301-1308.	2.6	58
64	Chiral Selective Chemistry Induced by Natural Selection of Spinâ€Polarized Electrons. Angewandte Chemie - International Edition, 2015, 54, 7295-7298.	13.8	58
65	Real-Time Electronic Monitoring of Adsorption Kinetics:Â Evidence for Two-Site Adsorption Mechanism of Dicarboxylic Acids on GaAs(100). Journal of Physical Chemistry B, 1998, 102, 3307-3309.	2.6	53
66	Mutual Monomer Orientation To Bias the Supramolecular Polymerization of [6]Helicenes and the Resulting Circularly Polarized Light and Spin Filtering Properties. Journal of the American Chemical Society, 2022, 144, 7709-7719.	13.7	53
67	New Magnetic Properties of Silicon/Silicon Oxide Interfaces. Advanced Materials, 2007, 19, 925-928.	21.0	52
68	Photospintronics: Magnetic Field-Controlled Photoemission and Light-Controlled Spin Transport in Hybrid Chiral Oligopeptide-Nanoparticle Structures. Nano Letters, 2016, 16, 2806-2811.	9.1	52
69	Long-Range Spin-Selective Transport in Chiral Metalâ€“Organic Crystals with Temperature-Activated Magnetization. ACS Nano, 2020, 14, 16624-16633.	14.6	51
70	The Origin of the Magnetism of Etched Silicon. Advanced Materials, 2009, 21, 71-74.	21.0	50
71	Temperature-Dependent Chiral-Induced Spin Selectivity Effect: Experiments and Theory. Journal of Physical Chemistry C, 2022, 126, 3257-3264.	3.1	50
72	Chiral Control of Electron Transmission through Molecules. Physical Review Letters, 2008, 101, 238103.	7.8	49

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73	A device for measuring spin selectivity in electron transfer. Physical Chemistry Chemical Physics, 2013, 15, 18357.	2.8	48
74	Chirality Dependent Charge Transfer Rate in Oligopeptides. Advanced Materials, 2018, 30, e1706423.	21.0	48
75	Cooperative effect in electron transfer between metal substrate and organized organic layers. Chemical Physics Letters, 2003, 381, 650-653.	2.6	44
76	Development of nitric oxide sensor for asthma attack prevention. Materials Science and Engineering C, 2006, 26, 253-259.	7.3	43
77	Electronic Structure of CdSe Nanoparticles Adsorbed on Au Electrodes by an Organic Linker: Fermi Level Pinning of the HOMO. Journal of Physical Chemistry C, 2009, 113, 14200-14206.	3.1	42
78	New One-Step Thiol Functionalization Procedure for Ni by Self-Assembled Monolayers. Langmuir, 2015, 31, 3546-3552.	3.5	42
79	Detection of triacetone triperoxide (TATP) with an array of sensors based on non-specific interactions. Sensors and Actuators B: Chemical, 2009, 140, 122-127.	7.8	41
80	Light-Controlled Spin Filtering in Bacteriorhodopsin. Nano Letters, 2015, 15, 1052-1056.	9.1	40
81	Enhanced Hydrogen Production with Chiral Conductive Polymer-Based Electrodes. Journal of Physical Chemistry C, 2017, 121, 15777-15783.	3.1	40
82	Asymmetric reactions induced by electron spin polarization. Physical Chemistry Chemical Physics, 2020, 22, 21570-21582.	2.8	40
83	Voltage-induced long-range coherent electron transfer through organic molecules. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 5931-5936.	7.1	39
84	Bacteriorhodopsin based non-magnetic spin filters for biomolecular spintronics. Physical Chemistry Chemical Physics, 2018, 20, 1091-1097.	2.8	37
85	Chiral Induced Spin Selectivity and Its Implications for Biological Functions. Annual Review of Biophysics, 2022, 51, 99-114.	10.0	36
86	Hybrid nanocrystals-organic-semiconductor light sensor. Applied Physics Letters, 2008, 92, .	3.3	34
87	Magnetless Device for Conducting Threeâ€Dimensional Spinâ€Specific Electrochemistry. Angewandte Chemie - International Edition, 2017, 56, 14587-14590.	13.8	34
88	Low-Resistance Molecular Wires Propagate Spin-Polarized Currents. Journal of the American Chemical Society, 2019, 141, 14707-14711.	13.7	33
89	Electric Field-Controlled Magnetization in GaAs/AlGaAs Heterostructuresâ€“Chiral Organic Molecules Hybrids. Journal of Physical Chemistry Letters, 2019, 10, 1139-1145.	4.6	33
90	Single Domain 10 nm Ferromagnetism Imprinted on Superparamagnetic Nanoparticles Using Chiral Molecules. Small, 2019, 15, e1804557.	10.0	33

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91	New electronic and magnetic properties emerging from adsorption of organized organic layers. Physical Chemistry Chemical Physics, 2006, 8, 2217.	2.8	32
92	Energetics of CdSe Quantum Dots Adsorbed on TiO₂. Journal of Physical Chemistry C, 2011, 115, 13236-13241.	3.1	32
93	Effect of Oxidative Damage on Charge and Spin Transport in DNA. Journal of the American Chemical Society, 2019, 141, 123-126.	13.7	32
94	Adsorption of Polar Molecules on a Molecular Surface. Journal of Physical Chemistry B, 2001, 105, 2881-2884.	2.6	31
95	Role of Backbone Charge Rearrangement in the Bond-Dipole and Work Function of Molecular Monolayers. Journal of Physical Chemistry C, 2011, 115, 24888-24892.	3.1	31
96	Optical Multilevel Spin Bit Device Using Chiral Quantum Dots. Nano Letters, 2020, 20, 8675-8681.	9.1	30
97	Effect of the Substrate Morphology on the Structure of Adsorbed Ice. Journal of Physical Chemistry B, 1997, 101, 5172-5176.	2.6	29
98	Electron Transmission through Organized Organic Thin Films. Accounts of Chemical Research, 2003, 36, 291-299.	15.6	29
99	Spectroscopy and Photoreactivity in Complex Environments. Zeitschrift Fur Elektrotechnik Und Elektrochemie, 1995, 99, 371-377.	0.9	28
100	Determination of the Electronic Energetics of CdTe Nanoparticle Assemblies on Au Electrodes by Photoemission, Electrochemical, and Photocurrent Studies. Journal of Physical Chemistry C, 2012, 116, 17464-17472.	3.1	27
101	A highly sensitive hybrid organicâ€“inorganic sensor for continuous monitoring of hemoglobin. Biosensors and Bioelectronics, 2013, 45, 201-205.	10.1	27
102	Spinâ€Ðependent Processes Measured without a Permanent Magnet. Advanced Materials, 2018, 30, e1707390.	21.0	27
103	Long-Range Charge Reorganization as an Allosteric Control Signal in Proteins. Journal of the American Chemical Society, 2020, 142, 20456-20462.	13.7	27
104	Production of OH by dissociating ozoneâ€“water complexes at 266 and 355 nm and by reacting O(1D) with water dimers. Journal of Chemical Physics, 1995, 102, 1941-1943.	3.0	26
105	Adsorption of Organic Phosphate as a Means To Bind Biological Molecules to GaAs Surfaces. Langmuir, 2003, 19, 7392-7398.	3.5	26
106	Temperature Dependence of Charge and Spin Transfer in Azurin. Journal of Physical Chemistry C, 2021, 125, 9875-9883.	3.1	26
107	The reaction of O(3P) with cyclohexane clusters. Journal of Chemical Physics, 1993, 98, 2936-2940.	3.0	25
108	Chiral molecules-ferromagnetic interfaces, an approach towards spin controlled interactions. Applied Physics Letters, 2019, 115, .	3.3	25

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109	Electronic Structure of DNA - Unique Properties of 8-Oxoguanosine. Journal of the American Chemical Society, 2009, 131, 89-95.	13.7	24
110	Directing Charge Transfer in Quantum Dot Assemblies. Accounts of Chemical Research, 2018, 51, 2565-2573.	15.6	24
111	Patterning Gradient Properties from Sub-Micrometers to Millimeters by Magnetolithography. Nano Letters, 2010, 10, 2262-2267.	9.1	23
112	Spinâ€selective electron transmission through selfâ€assembled monolayers of doubleâ€stranded peptide nucleic acid. Chirality, 2021, 33, 93-102.	2.6	23
113	Energy distribution in HCl(v=1) following the vibrational predissociation of C2H2â€“HCl complex. Journal of Chemical Physics, 1992, 96, 8616-8617.	3.0	22
114	Cooperative Electronic and Magnetic Properties of Self-Assembled Monolayers. MRS Bulletin, 2010, 35, 429-434.	3.5	21
115	Molecular controlled nano-devices. Physical Chemistry Chemical Physics, 2011, 13, 13153.	2.8	21
116	Kinetic Energy Dependence of Spin Filtering of Electrons Transmitted through Organized Layers of DNA. Journal of Physical Chemistry C, 2013, 117, 22307-22313.	3.1	21
117	Magnetolithography: From Bottomâ€Up Route to High Throughput. Small, 2009, 5, 316-319.	10.0	20
118	The Molecularly Controlled Semiconductor Resistor: How does it work?. ACS Applied Materials & Interfaces, 2009, 1, 2679-2683.	8.0	20
119	Magnetolithographic Patterning of Inner Walls of a Tube: A New Dimension in Microfluidics and Sequential Microreactors. Journal of the American Chemical Society, 2009, 131, 18260-18262.	13.7	20
120	Cooperative Effect in the Electronic Properties of Human Telomere Sequence. Journal of Physical Chemistry B, 2010, 114, 13897-13903.	2.6	20
121	Spin-Controlled Photoluminescence in Hybrid Nanoparticles Purple Membrane System. ACS Nano, 2016, 10, 4525-4531.	14.6	20
122	Chirality enhances oxygen reduction. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	20
123	Increased Superconducting Transition Temperature of a Niobium Thin Film Proximity Coupled to Gold Nanoparticles Using Linking Organic Molecules. Physical Review Letters, 2012, 108, 107004.	7.8	19
124	The relationship between interfacial bonding and radiation damage in adsorbed DNA. Physical Chemistry Chemical Physics, 2014, 16, 15319-15325.	2.8	19
125	Injection of Spin-Polarized Electrons into a AlGaN/GaN Device from an Electrochemical Cell: Evidence for an Extremely Long Spin Lifetime. ACS Nano, 2018, 12, 3892-3897.	14.6	19
126	The structure of small carbon clusters. Zeitschrift FÃ¼r Physik D-Atoms Molecules and Clusters, 1991, 19, 413-418.	1.0	18

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127	The role of three dimensional structure in electron transmission through thin organic layers. Journal of Chemical Physics, 1997, 107, 1288-1290.	3.0	18
128	Focusing of DCl and HCl dimers by an electrostatic hexapole field: The role of the tunneling motion. Journal of Chemical Physics, 1999, 110, 355-358.	3.0	18
129	Charge and spin transport through nucleic acids. Current Opinion in Electrochemistry, 2017, 4, 175-181.	4.8	18
130	Chirality and Spin: A Different Perspective on Enantioselective Interactions. Chimia, 2018, 72, 394.	0.6	18
131	Comment on â€œSpin-dependent electron transmission model for chiral molecules in mesoscopic devicesâ€• Physical Review B, 2020, 101, .	3.2	18
132	Multistate Switching of Spin Selectivity in Electron Transport through Lightâ€Đriven Molecular Motors. Advanced Science, 2021, 8, e2101773.	11.2	17
133	Evidence for new enantiospecific interaction force in chiral biomolecules. CheM, 2021, 7, 2787-2799.	11.7	17
134	Alternation between modes of electron transmission through organized organic layers. Physical Review B, 2003, 68, .	3.2	16
135	How Isolated Are the Electronic States of the Core in Core/Shell Nanoparticles?. ACS Nano, 2011, 5, 863-869.	14.6	16
136	Quantitative Analysis and Characterization of Self-Assembled DNA on a Silver Surface. Langmuir, 2012, 28, 14514-14517.	3.5	16
137	Spin-Dependent Enantioselective Electropolymerization. Journal of Physical Chemistry C, 2020, 124, 20974-20980.	3.1	16
138	The Reactions of O(¹D) with Propane and Water Monomers and Clusters. Israel Journal of Chemistry, 1994, 34, 59-66.	2.3	15
139	Reactions of oxygen atoms with van der Waals complexes: The effect of complex formation on the internal energy distribution in the products. Journal of Chemical Physics, 1998, 108, 9651-9657.	3.0	15
140	Molecular enhancement of ferromagnetism in GaAsâˆ•GaMnAs heterostructures. Applied Physics Letters, 2006, 89, 112508.	3.3	15
141	Selective Surface Patterning for the Coadsorption of Self-Assembled Gold and Semiconductor Nanoparticles. Langmuir, 2008, 24, 5981-5983.	3.5	15
142	Integrated circuits based on nanoscale vacuum phototubes. Applied Physics Letters, 2008, 92, 262903.	3.3	15
143	Packed DNA Denatures on Gold Nanoparticles. Journal of Physical Chemistry B, 2010, 114, 8581-8584.	2.6	15
144	Energy distribution in aniline scattered from various low energy surfaces. Journal of Chemical Physics, 1991, 94, 4921-4927.	3.0	14

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145	Electric-Field-Driven Alignment of Chiral Conductive Polymer Thin Films. Langmuir, 2014, 30, 4838-4843.	3.5	14
146	Sensing of molecules using quantum dynamics. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E2419-28.	7.1	14
147	Assemblies of CdS Quantum Particles Studied by the Attenuated Low Energy Photoelectron Spectroscopy. Journal of Physical Chemistry B, 2000, 104, 8631-8634.	2.6	13
148	Electron capturing by DNA. Israel Journal of Chemistry, 2007, 47, 149-159.	2.3	12
149	Controlling the Reactivity of Adsorbed DNA on Template Surfaces. Langmuir, 2008, 24, 927-931.	3.5	12
150	Self-Assembly of Nanoparticle Arrays on Semiconductor Substrate for Charge Transfer Cascade. Journal of Physical Chemistry A, 2009, 113, 7213-7217.	2.5	12
151	Detection and Quantification through a Lipid Membrane Using the Molecularly Controlled Semiconductor Resistor. Langmuir, 2012, 28, 1020-1028.	3.5	12
152	Spin-dependent charge transfer at chiral electrodes probed by magnetic resonance. Physical Chemistry Chemical Physics, 2020, 22, 997-1002.	2.8	12
153	Substrates Modulate Charge-Reorganization Allosteric Effects in Proteinâ€“Protein Association. Journal of Physical Chemistry Letters, 2021, 12, 2805-2808.	4.6	12
154	Simultaneous High-Purity Enantiomeric Resolution of Conglomerates Using Magnetic Substrates. Crystal Growth and Design, 2021, 21, 2925-2931.	3.0	12
155	Metal Organic Spin Transistor. Nano Letters, 2021, 21, 8657-8663.	9.1	12
156	New electronic and magnetic properties of monolayers of thiols on gold. Israel Journal of Chemistry, 2003, 43, 399-405.	2.3	11
157	Adsorptionâ€Induced Magnetization of PbS Selfâ€Assembled Nanoparticles on GaAs. Advanced Materials, 2008, 20, 2552-2555.	21.0	11
158	Hybrid Organicâ€Inorganic Biosensor for Ammonia Operating under Harsh Physiological Conditions. Advanced Functional Materials, 2014, 24, 5833-5840.	14.9	11
159	Hybrid Sensor Based on AlGaN/GaN Molecular Controlled Device. ACS Sensors, 2016, 1, 185-189.	7.8	11
160	Application of a GaAs-Based Sensor for Detecting Hemoglobin in Gastrointestinal Environments. IEEE Sensors Journal, 2017, 17, 660-666.	4.7	11
161	Helicity Control in the Aggregation of Achiral Squaraine Dyes in Solution and Thin Films. Chemistry - A European Journal, 2021, 27, 298-306.	3.3	11
162	Observation of laser excitation of rhombic C4 using the coulomb explosion method. Zeitschrift FÃ¼r Physik D-Atoms Molecules and Clusters, 1993, 26, 340-342.	1.0	10

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163	Electron Transmission Through Thin Organized Organic Films. Surface and Interface Analysis, 1997, 25, 71-75.	1.8	10
164	Electron transmission through organized organic thin films studied by discrete initial electron kinetic energies. European Physical Journal B, 1999, 8, 445-451.	1.5	10
165	Selective Enzymatic Labeling To Detect Packing-Induced Denaturation of Double-Stranded DNA at Interfaces. Langmuir, 2008, 24, 11842-11846.	3.5	10
166	Controlling two-photon photoemission using polarization pulse shaping. Journal of Chemical Physics, 2009, 130, 064705.	3.0	10
167	Collective Effects in Charge Transfer within a Hybrid Organic-Inorganic System. Physical Review Letters, 2010, 104, 016804.	7.8	10
168	Magnetless Device for Conducting Threeâ€Dimensional Spinâ€Specific Electrochemistry. Angewandte Chemie, 2017, 129, 14779-14782.	2.0	10
169	A Method for Separating Chiral Enantiomers by Enantiospecific Interaction with Ferromagnetic Substrates. Journal of Physical Chemistry C, 2021, 125, 17530-17536.	3.1	10
170	Chirality â€“ Beyond the Structural Effects. Israel Journal of Chemistry, 2016, 56, 1010-1015.	2.3	9
171	Electron Transfer via Helical Oligopeptide to Laccase Including Chiral Schiff Base Copper Mediators. Symmetry, 2020, 12, 808.	2.2	9
172	Enabling Long-Term Operation of GaAs-Based Sensors. Engineering, 2013, 05, 1-12.	0.8	9
173	Rotational relaxation in a free expansion of HCl. Journal of Chemical Physics, 1992, 96, 4423-4428.	3.0	8
174	Photoelectron Transmission Through â€œCascade-Likeâ€•Langmuir-Blodgett Films Containing CdS Quantum Particles. Advanced Materials, 2001, 13, 584-587.	21.0	8
175	Uncooled Infrared Detector Using a Thin InAsSb Layer Acting as a Gate on a GaAs Field-Effect Transistor. IEEE Sensors Journal, 2006, 6, 1195-1199.	4.7	8
176	Submicrometer Chemical Patterning with High Throughput Using Magnetolithography. Langmuir, 2009, 25, 5451-5454.	3.5	8
177	Publisher's Note: Spin-selective transport through helical molecular systems [Phys. Rev. B85, 081404(R) (2012)]. Physical Review B, 2012, 85, .	3.2	8
178	The Capture of Low-Energy Electrons by PNA versus DNA. Journal of Physical Chemistry Letters, 2013, 4, 3298-3302.	4.6	8
179	Electric-Field-Enhanced Adsorption of Chiral Molecules on Ferromagnetic Substrates. Journal of Physical Chemistry B, 2019, 123, 9443-9448.	2.6	8
180	The Electron Spin as a Chiral Reagent. Angewandte Chemie, 2020, 132, 1670-1675.	2.0	8

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181	Spin Filtering Along Chiral Polymers. Angewandte Chemie, 2020, 132, 14779-14784.	2.0	8
182	Twisted molecular wires polarize spin currents at room temperature. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	8
183	The reaction of O(1D) with H2O, D2O monomers and clusters and the intracomplex reaction in N2Oâ€“X2O (X=H,D) photo-initiated at 193 and 212.8 nm. Journal of Chemical Physics, 1999, 111, 4025-4031.	3.0	7
184	Effect of the surface on the electronic properties of a two-dimensional electron gas as measured by the quantum Hall effect. Physical Review B, 2010, 81, .	3.2	7
185	Spin Selective Electron Transmission Through Monolayers of Chiral Molecules. Topics in Current Chemistry, 2010, 298, 237-257.	4.0	7
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