

Alison Rodger

List of Publications by Year in descending order

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255
papers

9,236
citations

36203

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86
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286
all docs

286
docs citations

286
times ranked

9140
citing authors

#	ARTICLE	IF	CITATIONS
1	Biophysical and biological properties of quadruplex oligodeoxyribonucleotides. <i>Nucleic Acids Research</i> , 2003, 31, 2097-2107.	6.5	361
2	Sticky-End Assembly of a Designed Peptide Fiber Provides Insight into Protein Fibrillogenesis. <i>Biochemistry</i> , 2000, 39, 8728-8734.	1.2	328
3	DNA Interactions of Monofunctional Organometallic Ruthenium(II) Antitumor Complexes in Cell-free Media. <i>Biochemistry</i> , 2003, 42, 11544-11554.	1.2	309
4	Molecular Recognition of a Three-Way DNA Junction by a Metallosupramolecular Helicate. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 1227-1231.	7.2	278
5	Enantiopreferential DNA binding of [ruthenium(II)(1,10-phenanthroline) ₃] ²⁺ studied with linear and circular dichroism. <i>Journal of the American Chemical Society</i> , 1990, 112, 1971-1982.	6.6	210
6	Self-Assembly Mechanism for a Naphthalene- α -Dipeptide Leading to Hydrogelation. <i>Langmuir</i> , 2010, 26, 5232-5242.	1.6	208
7	Chemical Composition and Antibacterial Activity of the Essential Oil and the Gum of <i>Pistacia lentiscus</i> Var. <i>chia</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2005, 53, 7681-7685.	2.4	202
8	Synthetic metallomolecules as agents for the control of DNA structure. <i>Chemical Society Reviews</i> , 2007, 36, 471-483.	18.7	198
9	Optically pure, water-stable metallo-helical α -flexicate™ assemblies with antibiotic activity. <i>Nature Chemistry</i> , 2012, 4, 31-36.	6.6	197
10	Intramolecular DNA coiling mediated by metallo-supramolecular cylinders: Differential binding of P and M helical enantiomers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 5069-5074.	3.3	194
11	Hairpin-Shaped Heterometallic Luminescent Lanthanide Complexes for DNA Intercalative Recognition. <i>Journal of the American Chemical Society</i> , 2003, 125, 9918-9919.	6.6	194
12	Intramolecular DNA Coiling Mediated by a Metallo-Supramolecular Cylinder. <i>Angewandte Chemie - International Edition</i> , 2001, 40, 879-884.	7.2	166
13	Circular and linear dichroism of proteins. <i>Physical Chemistry Chemical Physics</i> , 2007, 9, 2020.	1.3	153
14	Antiproliferative Activity of G-Quartet-Forming Oligonucleotides with Backbone and Sugar Modifications. <i>Biochemistry</i> , 2002, 41, 3676-3685.	1.2	137
15	The CD of ligand-DNA systems. 2. Poly(dA-dT) B-DNA. <i>Biopolymers</i> , 1992, 32, 1201-1214.	1.2	133
16	Improved curve fitting procedures to determine equilibrium binding constants. <i>Analyst</i> , 2006, 131, 1145.	1.7	118
17	Antimicrobial activity of ruthenium-based intercalators. <i>European Journal of Pharmaceutical Sciences</i> , 2011, 42, 313-317.	1.9	114
18	The CD of ligand-DNA systems. I. Poly(dG-dC) B-DNA. <i>Biopolymers</i> , 1991, 31, 1709-1720.	1.2	110

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19	DNA Binding of Ruthenium Tris(1,10-phenanthroline): Evidence for the Dependence of Binding Mode on Metal Complex Concentration. <i>Inorganic Chemistry</i> , 1999, 38, 4486-4497.	1.9	105
20	Characterizing the Assembly of the Sup35 Yeast Prion Fragment, GNNQQNY: Structural Changes Accompany a Fiber-to-Crystal Switch. <i>Biophysical Journal</i> , 2010, 98, 330-338.	0.2	94
21	4-Picoline-2,2,6,6-tetrapyridine-platinum(II) - A potent intercalator of DNA. <i>FEBS Letters</i> , 1996, 380, 73-78.	1.3	90
22	Aryl substituted ruthenium bis-terpyridine complexes: intercalation and groove binding with DNA. <i>Journal of Inorganic Biochemistry</i> , 2002, 91, 220-229.	1.5	87
23	Calibration and Standardisation of Synchrotron Radiation Circular Dichroism and Conventional Circular Dichroism Spectrophotometers. <i>Spectroscopy</i> , 2003, 17, 653-661.	0.8	86
24	Volatile C8 compounds and pseudomonads influence primordium formation of <i>Agaricus bisporus</i> . <i>Mycologia</i> , 2009, 101, 583-591.	0.8	84
25	FtsZ Polymer-bundling by the <i>Escherichia coli</i> ZapA Orthologue, YgfE, Involves a Conformational Change in Bound GTP. <i>Journal of Molecular Biology</i> , 2007, 369, 210-221.	2.0	83
26	Sequence Selective Binding to the DNA Major Groove: Tris(1,10-phenanthroline) Metal Complexes Binding to Poly(dG-dC) and Poly(dA-dT). <i>Journal of Biomolecular Structure and Dynamics</i> , 1991, 9, 23-44.	2.0	82
27	Estrogen-Derived Steroidal Metal Complexes: Agents for Cellular Delivery of Metal Centers to Estrogen Receptor-Positive Cells. <i>Inorganic Chemistry</i> , 2001, 40, 3964-3973.	1.9	82
28	Validation of new microvolume Couette flow linear dichroism cells. <i>Analyst</i> , 2005, 130, 1608.	1.7	81
29	Distinct Alb3-dependent and -independent Pathways for Thylakoid Membrane Protein Insertion. <i>Journal of Biological Chemistry</i> , 2001, 276, 40841-40846.	1.6	80
30	Micro-Volume Couette Flow Sample Orientation for Absorbance and Fluorescence Linear Dichroism. <i>Biophysical Journal</i> , 2004, 87, 2002-2012.	0.2	78
31	Ruthenium polypyridyl complexes and their modes of interaction with DNA: Is there a correlation between these interactions and the antitumor activity of the compounds?. <i>Journal of Biological Inorganic Chemistry</i> , 2009, 14, 439-448.	1.1	78
32	Multiple DNA binding modes of anthracene-9-carbonyl-N1-spermine. <i>Bioorganic and Medicinal Chemistry</i> , 1995, 3, 861-872.	1.4	77
33	Nanofiber-Based Delivery of Therapeutic Peptides to the Brain. <i>ACS Nano</i> , 2013, 7, 1016-1026.	7.3	77
34	Interactions of Intercalative and Minor Groove Binding Ligands with Triplex Poly(dA)·[Poly(dT)] ₂ and Duplex Poly(dA)·Poly(dT) and Poly[d(A-T)] ₂ Studied by CD, LD, and Normal Absorption. <i>Biochemistry</i> , 1996, 35, 1187-1194.	1.2	76
35	Flow Linear Dichroism to Probe Binding of Aromatic Molecules and DNA to Single-Walled Carbon Nanotubes. <i>Journal of the American Chemical Society</i> , 2004, 126, 11182-11188.	6.6	73
36	Flow oriented linear dichroism to probe protein orientation in membrane environments. <i>Physical Chemistry Chemical Physics</i> , 2002, 4, 4051-4057.	1.3	72

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37	Protein Fiber Linear Dichroism for Structure Determination and Kinetics in a Low-Volume, Low-Wavelength Couette Flow Cell. <i>Biophysical Journal</i> , 2004, 86, 404-410.	0.2	72
38	[10] Linear dichroism. <i>Methods in Enzymology</i> , 1993, 226, 232-258.	0.4	67
39	Antimicrobial activity of an iron triple helicate. <i>International Journal of Antimicrobial Agents</i> , 2009, 33, 469-472.	1.1	66
40	DNA binding and bending by dinuclear complexes comprising ruthenium polypyridyl centres linked by a bis(pyridylimine) ligand. <i>Journal of Inorganic Biochemistry</i> , 2008, 102, 2052-2059.	1.5	64
41	Metallohelices with activity against cisplatin-resistant cancer cells; does the mechanism involve DNA binding?. <i>Chemical Science</i> , 2013, 4, 4407.	3.7	64
42	Which is more likely: the Ray-Dutt twist or the Bailar twist?. <i>Inorganic Chemistry</i> , 1988, 27, 3061-3062.	1.9	63
43	Design and DNA Binding of an Extended Triple-Stranded Metallo-supramolecular Cylinder. <i>Chemistry - A European Journal</i> , 2005, 11, 1750-1756.	1.7	61
44	A DNA-Binding Copper(I) Metallo-supramolecular Cylinder that Acts as an Artificial Nuclease. <i>Chemistry - A European Journal</i> , 2006, 12, 4919-4927.	1.7	59
45	LD spectroscopy of natural and synthetic biomaterials. <i>Chemical Society Reviews</i> , 2010, 39, 3380.	18.7	59
46	An androgenic steroid delivery vector that imparts activity to a non-conventional platinum(ii) metallo-drug. <i>Dalton Transactions</i> , 2010, 39, 11353.	1.6	58
47	Assembly Pathway of a Designed $\hat{\pm}$ -Helical Protein Fiber. <i>Biophysical Journal</i> , 2010, 98, 1668-1676.	0.2	57
48	Self-assembly of Fmoc-tetrapeptides based on the RGDS cell adhesion motif. <i>Soft Matter</i> , 2011, 7, 11405.	1.2	56
49	Looking at long molecules in solution: what happens when they are subjected to Couette flow?. <i>Physical Chemistry Chemical Physics</i> , 2006, 8, 3161.	1.3	55
50	Design and Non-Covalent DNA Binding of Platinum(II) Metallacalix[4]arenes. <i>Chemistry - A European Journal</i> , 2007, 13, 5075-5081.	1.7	53
51	Gas chromatography: an investigative tool in multiple allergies to essential oils. <i>Contact Dermatitis</i> , 2002, 47, 288-292.	0.8	52
52	DNA binding of a spermine derivative: Spectroscopic study of anthracene-9-carbonyl-n1-spermine with poly[d(G-C)A·d(G-C)] and poly[d(A-T)A·d(A-T)]. <i>Biopolymers</i> , 1994, 34, 1583-1593.	1.2	51
53	DNA structure control by polycationic species: Polyamine, cobalt amines, and di-metallo transition metal chelates. <i>Chirality</i> , 2000, 12, 221-236.	1.3	51
54	Enantiomeric resolution of supramolecular helicates with different surface topographies. <i>Dalton Transactions</i> , 2007, , 734-742.	1.6	51

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55	An Estrogen-Platinum Terpyridine Conjugate: DNA and Protein Binding and Cellular Delivery. <i>Chemistry - A European Journal</i> , 2006, 12, 8000-8013.	1.7	50
56	Sensitive and Direct DNA Mutation Detection by Surface-Enhanced Raman Spectroscopy Using Rational Designed and Tunable Plasmonic Nanostructures. <i>Analytical Chemistry</i> , 2020, 92, 5708-5716.	3.2	50
57	FtsZ Fiber Bundling Is Triggered by a Conformational Change in Bound GTP. <i>Journal of Biological Chemistry</i> , 2004, 279, 48821-48829.	1.6	49
58	The Binding of Single-Stranded DNA and PNA to Single-Walled Carbon Nanotubes Probed by Flow Linear Dichroism. <i>Chemistry - A European Journal</i> , 2005, 11, 4841-4847.	1.7	48
59	Influence of surface shape on DNA binding of bimetallo helicates. <i>Journal of Inorganic Biochemistry</i> , 2007, 101, 1937-1945.	1.5	45
60	Amine induced Z-DNA in poly(dG-dC)-poly(dG-dC): Circular dichroism and gel electrophoresis study. <i>Physical Chemistry Chemical Physics</i> , 2000, 2, 5469-5478.	1.3	44
61	Supramolecular Nucleoside-Based Gel: Molecular Dynamics Simulation and Characterization of Its Nanoarchitecture and Self-Assembly Mechanism. <i>Langmuir</i> , 2018, 34, 6912-6921.	1.6	44
62	Symmetry rules for the determination of the intercalation geometry of host/systems using circular dichroism: a symmetry-adapted coupled-oscillator model. <i>Journal of the American Chemical Society</i> , 1983, 105, 4541-4550.	6.6	43
63	Paper: a cheap yet effective chiral stationary phase for chromatographic resolution of metallo-supramolecular helicates. <i>Chemical Communications</i> , 2001, , 1078-1079.	2.2	43
64	Synthesis and cytotoxicity of dinuclear complexes containing ruthenium(ii) bipyridyl units linked by a bis(pyridylimine) ligand. <i>Dalton Transactions</i> , 2008, , 667-675.	1.6	43
65	Exploring the sequence-structure relationship for amyloid peptides. <i>Biochemical Journal</i> , 2013, 450, 275-283.	1.7	43
66	Spectroscopic Identification of Binding Modes of Anthracene Probes and DNA Sequence Recognition. <i>Photochemistry and Photobiology</i> , 2006, 82, 20.	1.3	41
67	Spectroscopic studies of 9-hydroxyellipticine binding to DNA. , 1998, 46, 127-143.		40
68	Interaction between a DNA oligonucleotide and a dinuclear iron(II) supramolecular cylinder; an NMR and molecular dynamics study. <i>Journal of Biological Inorganic Chemistry</i> , 2002, 7, 770-780.	1.1	39
69	An Escherichia coli twin-arginine signal peptide switches between helical and unstructured conformations depending on the hydrophobicity of the environment. <i>FEBS Journal</i> , 2003, 270, 3345-3352.	0.2	39
70	The Synergistic Action of Melittin and Phospholipase A2 with Lipid Membranes: Development of Linear Dichroism for Membrane-Insertion Kinetics. <i>Protein and Peptide Letters</i> , 2010, 17, 1351-1362.	0.4	38
71	Simulations of DNA Coiling around a Synthetic Supramolecular Cylinder That Binds in the DNA Major Groove. <i>Chemistry - A European Journal</i> , 2006, 12, 3493-3506.	1.7	37
72	Structural Characterisation of the Insecticidal Toxin XptA1, Reveals a 1.15 MDa Tetramer with a Cage-like Structure. <i>Journal of Molecular Biology</i> , 2007, 366, 1558-1568.	2.0	37

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73	Conjugation of testosterone modifies the interaction of mono-functional cationic platinum(ii) complexes with DNA, causing significant alterations to the DNA helix. Dalton Transactions, 2010, 39, 11365.	1.6	37
74	Tetramerization of ZapA is required for FtsZ bundling. Biochemical Journal, 2013, 449, 795-802.	1.7	37
75	Linear dichroism of biomolecules: which way is up?. Current Opinion in Structural Biology, 2004, 14, 541-546.	2.6	36
76	Flow Linear Dichroism of Some Prototypical Proteins. Journal of the American Chemical Society, 2009, 131, 13305-13314.	6.6	36
77	Contributions of Hydroxyethyl Groups to the DNA Binding Affinities of Anthracene Probes. Journal of Physical Chemistry B, 2006, 110, 20693-20701.	1.2	35
78	A new method for fibrous protein analysis illustrated by application to tubulin microtubule polymerisation and depolymerisation. Chirality, 2006, 18, 680-690.	1.3	35
79	Structural determinants in a library of low molecular weight gelators. Soft Matter, 2015, 11, 1174-1181.	1.2	35
80	DNA structural features responsible for sequence-dependent binding geometries of Hoechst 33258. Biopolymers, 1998, 38, 593-606.	1.2	33
81	DNA Binding Studies of a New Dicationic Porphyrin. Insights into Interligand Interactions. Biochemistry, 2007, 46, 9143-9154.	1.2	33
82	Alignment of a Model Amyloid Peptide Fragment in Bulk and at a Solid Surface. Journal of Physical Chemistry B, 2010, 114, 8244-8254.	1.2	33
83	A Practical Protocol for the Reduction of Disulfide Bonds in Proteins Prior to Analysis by Mass Spectrometry. European Journal of Mass Spectrometry, 2001, 7, 29-34.	0.5	32
84	Circular Dichroism Spectroscopy for the Study of Protein-Ligand Interactions. , 2005, 305, 343-364.		32
85	Effect of bridging ligand structure on the thermal stability and DNA binding properties of iron(ii) triple helicates. Dalton Transactions, 2009, , 4868.	1.6	32
86	Hyper-truncated Asn355- and Asn391-glycans modulate the activity of neutrophil granule myeloperoxidase. Journal of Biological Chemistry, 2021, 296, 100144.	1.6	31
87	Symmetry selection rules for reaction mechanisms. Chemical Physics, 1986, 107, 329-342.	0.9	29
88	A molecular mechanics study of spermine complexation to DNA: a new model for spermine-poly(dG-dC) binding. Proceedings of the Royal Society B: Biological Sciences, 1991, 244, 107-116.	1.2	29
89	Drug Self-Assembly on DNA: Sequence Effects with <i>trans</i> -bis-(4-methylpyridinium)diphenyl Porphyrin and Hoechst 33258. Journal of Biomolecular Structure and Dynamics, 2000, 17, 335-348.	2.0	29
90	A study of the secondary structure of <i>Candida antarctica</i> lipase B using synchrotron radiation circular dichroism measurements. Enzyme and Microbial Technology, 2005, 36, 70-74.	1.6	29

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91	Folding and Membrane Insertion of the Pore-Forming Peptide Gramicidin Occur as a Concerted Process. <i>Journal of Molecular Biology</i> , 2008, 383, 358-366.	2.0	29
92	The Mechanics of FtsZ Fibers. <i>Biophysical Journal</i> , 2012, 102, 731-738.	0.2	29
93	Chiral Solvent Structure Around Chiral Molecules: Experimental and Theoretical Study. <i>Journal of the American Chemical Society</i> , 1994, 116, 7266-7273.	6.6	28
94	Anti-tumour platinum acylthiourea complexes and their interactions with DNA. <i>Dalton Transactions RSC</i> , 2002, , 3656-3663.	2.3	28
95	Detection of Pathogenic Bacteria Using a Homogeneous Immunoassay Based on Shear Alignment of Virus Particles and Linear Dichroism. <i>Analytical Chemistry</i> , 2012, 84, 91-97.	3.2	28
96	Quantitation of protein orientation in flow-oriented unilamellar liposomes by linear dichroism. <i>Chemical Physics</i> , 2006, 326, 210-220.	0.9	26
97	Site-Specific Identification of an Al^{2+} Fibril-Heparin Interaction Site by Using Solid-State NMR Spectroscopy. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 13140-13143.	7.2	26
98	Symmetry selection rules for reaction mechanisms: a practical formulation for the generation of symmetry-allowed mechanisms and applications. <i>The Journal of Physical Chemistry</i> , 1987, 91, 189-195.	2.9	25
99	Breaking the 200 nm Limit for Routine Flow Linear Dichroism Measurements Using UV Synchrotron Radiation. <i>Biophysical Journal</i> , 2008, 95, 5974-5977.	0.2	24
100	Protein Secondary Structure Prediction from Circular Dichroism Spectra Using a Self-Organizing Map with Concentration Correction. <i>Chirality</i> , 2014, 26, 471-482.	1.3	24
101	DNA structural features responsible for sequence-dependent binding geometries of Hoechst 33258. , 1996, 38, 593.		24
102	Restriction Enzyme Kinetics Monitored by UV Linear Dichroism. <i>Biochemistry</i> , 2006, 45, 8912-8917.	1.2	23
103	The pH Dependence of Polymerization and Bundling by the Essential Bacterial Cytoskeletal Protein FtsZ. <i>PLoS ONE</i> , 2011, 6, e19369.	1.1	23
104	Redox-active and DNA-binding coordination complexes of clotrimazole. <i>Dalton Transactions</i> , 2015, 44, 3673-3685.	1.6	23
105	Symmetry selection rules for reaction mechanisms: application to metal-ligand isomerizations. <i>Inorganic Chemistry</i> , 1988, 27, 458-466.	1.9	22
106	Spectroscopic signatures of an Fmoc-tetrapeptide, Fmoc and fluorene. <i>RSC Advances</i> , 2013, 3, 10854.	1.7	22
107	A Molecular Dynamics Simulation of a Polyamine-Induced Conformational Change of DNA. A Possible Mechanism for the B to Z Transition. <i>Journal of Biomolecular Structure and Dynamics</i> , 1992, 10, 195-211.	2.0	21
108	Multifaceted Studies of the DNA Interactions and In Vitro Cytotoxicity of Anticancer Polyaromatic Platinum(II) Complexes. <i>Chemistry - A European Journal</i> , 2016, 22, 8943-8954.	1.7	21

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109	Linear dichroism as a probe of molecular structure and interactions. <i>Analyst, The</i> , 2016, 141, 6490-6498.	1.7	21
110	Oxidized polyethylene films for orienting polar molecules for linear dichroism spectroscopy. <i>Analyst, The</i> , 2014, 139, 1372-1382.	1.7	20
111	Gold Nanoparticle Aggregation as a Probe of Antifreeze (Glyco) Protein-Inspired Ice Recrystallization Inhibition and Identification of New IRI Active Macromolecules. <i>Scientific Reports</i> , 2015, 5, 15716.	1.6	20
112	Synchrotron radiation linear dichroism spectroscopy of the antibiotic peptide gramicidin in lipid membranes. <i>Analyst, The</i> , 2009, 134, 1623.	1.7	19
113	Sequence-Dependent Oligomerization of the Neu Transmembrane Domain Suggests Inhibition of α -Conformational Switching by an Oncogenic Mutant. <i>Biochemistry</i> , 2010, 49, 2811-2820.	1.2	19
114	Multiple binding modes with DNA of anthracene-9-carbonyl-N1-spermine probed by LD, CD, normal absorption, and molecular modelling compared with those of spermidine and spermine. <i>Bioorganic and Medicinal Chemistry Letters</i> , 1994, 4, 2435-2440.	1.0	18
115	A new reference material for UV-visible circular dichroism spectroscopy. <i>Chirality</i> , 2008, 20, 1029-1038.	1.3	18
116	Elucidating protein secondary structure with circular dichroism and a neural network. <i>Journal of Computational Chemistry</i> , 2013, 34, 2774-2786.	1.5	18
117	Versatile Click Cyanine Amino Acid Conjugates Showing One-Atom-Influenced Recognition of DNA/RNA Secondary Structure and Mitochondrial Localisation in Living Cells. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 1682-1692.	1.2	18
118	Infrared absorbance spectroscopy of aqueous proteins: Comparison of transmission and ATR data collection and analysis for secondary structure fitting. <i>Chirality</i> , 2018, 30, 957-965.	1.3	18
119	DNA structural features responsible for sequence-dependent binding geometries of Hoechst 33258. <i>Biopolymers</i> , 1996, 38, 593-606.	1.2	18
120	A Binding Mode of A-[tris(1,10-phenanthroline)ruthenium(II)] ²⁺ Exhibiting Preference for Purine-3,5-Pyrimidine Sites of DNA. <i>Journal of Biomolecular Structure and Dynamics</i> , 1991, 9, 553-569.	2.0	17
121	Circular dichroism as a probe of chiral solvent structure around chiral molecules. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1993, , 235.	0.9	17
122	Binding geometries of triple helix selective benzopyrido [4,3-b]indole ligands complexed with double- and triple-helical polynucleotides. <i>Biopolymers</i> , 1997, 42, 101-111.	1.2	17
123	Peptide Adsorption to Lipid Bilayers: Slow Processes Revealed by Linear Dichroism Spectroscopy. <i>Biophysical Journal</i> , 2009, 96, 1399-1407.	0.2	17
124	Viscosity of aqueous DNA solutions determined using dynamic light scattering. <i>Analyst, The</i> , 2011, 136, 4159.	1.7	17
125	Os ₂ -Os ₄ Switch Controls DNA Knotting and Anticancer Activity. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 8909-8912.	7.2	17
126	Secondary Structure Transitions for a Family of Amyloidogenic, Antimicrobial Uperin 3 Peptides in Contact with Sodium Dodecyl Sulfate. <i>ChemPlusChem</i> , 2022, 87, e202100408.	1.3	17

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127	Carbohydrate Derivatives of the Antitumour Alkaloid 9-Hydroxyellipticine. <i>European Journal of Organic Chemistry</i> , 2003, 2003, 63-71.	1.2	16
128	Nano-encapsulated <i>Escherichia coli</i> Divisome Anchor ZipA, and in Complex with FtsZ. <i>Scientific Reports</i> , 2019, 9, 18712.	1.6	16
129	Spectroscopic assignment of d-d transitions of achiral metal complexes using circular dichroism: DCD of cobalt(III) complexes in sugar solutions. <i>Journal of the American Chemical Society</i> , 1985, 107, 3459-3465.	6.6	15
130	Is DNA a worm-like chain in Couette flow? In search of persistence length, a critical review. <i>Science Progress</i> , 2009, 92, 163-204.	1.0	15
131	Calculations of flow-induced orientation distributions for analysis of linear dichroism spectroscopy. <i>Soft Matter</i> , 2013, 9, 4977.	1.2	15
132	Polyhedral rearrangements in clusters. <i>Polyhedron</i> , 1988, 7, 1107-1120.	1.0	14
133	Theoretical studies of the intercalation of 9-hydroxyellipticine in DNA. <i>Biopolymers</i> , 1998, 39, 309-326.	1.2	14
134	Structures of CUG Repeats in RNA. <i>Journal of Biological Chemistry</i> , 2002, 277, 35183-35190.	1.6	14
135	Absolute configuration and electronic state properties of light-switch complex [Ru(phen)2dppz]2+ deduced from oriented circular dichroism in a lamellar liquid crystal host. <i>Chemical Physics Letters</i> , 2002, 354, 44-50.	1.2	14
136	Generalized selection rules for circular dichroism: a symmetry-adapted perturbation model for magnetic dipole allowed transitions. <i>Chemical Physics</i> , 1986, 109, 173-193.	0.9	13
137	Circular dichroism of the carbonyl n- π^* transition: an independent systems/perturbation approach. <i>Journal of the American Chemical Society</i> , 1988, 110, 2361-2368.	6.6	13
138	Acyl transfer from phosphocholinelipids to melittin. <i>Chemical Communications</i> , 2011, 47, 1422-1424.	2.2	13
139	Exploiting Thermoresponsive Polymers to Modulate Lipophilicity: Interactions With Model Membranes. <i>Macromolecular Rapid Communications</i> , 2012, 33, 779-784.	2.0	13
140	SSNN, a method for neural network protein secondary structure fitting using circular dichroism data. <i>Analytical Methods</i> , 2014, 6, 6721-6726.	1.3	13
141	Biophysical characterization of a protein for structure comparison: methods for identifying insulin structural changes. <i>Analytical Methods</i> , 2016, 8, 7460-7471.	1.3	13
142	Bayesian inference assessment of protein secondary structure analysis using circular dichroism data – how much structural information is contained in protein circular dichroism spectra?. <i>Analytical Methods</i> , 2021, 13, 359-368.	1.3	13
143	Gold Nanostars with Reduced Fouling Facilitate Small Molecule Detection in the Presence of Protein. <i>Nanomaterials</i> , 2021, 11, 2565.	1.9	13
144	Circular dichroism of oxiranes: an independent systems/perturbation approach. <i>Journal of the American Chemical Society</i> , 1988, 110, 5941-5945.	6.6	12

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145	Molecular Features of CoIII Tetra- and Pentammines Affect Their Influence on DNA Structure. <i>European Journal of Inorganic Chemistry</i> , 2001, 2001, 2311-2316.	1.0	12
146	Rapid Injection Linear Dichroism for Studying the Kinetics of Biological Processes. <i>Analytical Chemistry</i> , 2012, 84, 6561-6566.	3.2	12
147	Automated High-Throughput Capillary Circular Dichroism and Intrinsic Fluorescence Spectroscopy for Rapid Determination of Protein Structure. <i>Analytical Chemistry</i> , 2019, 91, 13794-13802.	3.2	12
148	Theoretical studies of the intercalation of 9-hydroxyellipticine in DNA. , 1996, 39, 309.		12
149	A ligand-ligand interaction model for the structures of transition metal clusters. <i>Inorganica Chimica Acta</i> , 1990, 174, 185-191.	1.2	11
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