

G Dan PantoÅ

List of Publications by Year in descending order

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80
papers

4,051
citations

87888

38
h-index

114465

63
g-index

93
all docs

93
docs citations

93
times ranked

4199
citing authors

#	ARTICLE	IF	CITATIONS
1	Discovery of an Organic Trefoil Knot. <i>Science</i> , 2012, 338, 783-785.	12.6	282
2	Uranium complexes of multidentate N-donor ligands. <i>Coordination Chemistry Reviews</i> , 2006, 250, 816-843.	18.8	252
3	Hydrogen-Bonded Helical Organic Nanotubes. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 194-197.	13.8	203
4	Synthesis and study of a new diamidodipyrromethane macrocycle. An anion receptor with a high sulfate-to-nitrate binding selectivity. Electronic supplementary information (ESI) available: detailed experimental data and UV-vis spectrophotometric titration data. See http://www.rsc.org/suppdata/cc/b4/b403665d/ . <i>Chemical Communications</i> , 2004, , 1276.	4.1	159
5	Filling Helical Nanotubes with C60. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 2238-2240.	13.8	140
6	Homochiral and <i>meso</i> Figure Eight Knots and a Solomon Link. <i>Journal of the American Chemical Society</i> , 2014, 136, 8243-8251.	13.7	140
7	Dynamic combinatorial synthesis of a catenane based on donor-acceptor interactions in water. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 10466-10470.	7.1	138
8	Ligand-Driven G-Quadruplex Conformational Switching By Using an Unusual Mode of Interaction. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 5405-5407.	13.8	122
9	Anion-Induced Synthesis and Combinatorial Selection of Polypyrrolic Macrocycles. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 7386-7390.	13.8	121
10	Exploring the Formation Pathways of Donor-Acceptor Catenanes in Aqueous Dynamic Combinatorial Libraries. <i>Journal of the American Chemical Society</i> , 2011, 133, 3198-3207.	13.7	119
11	Thermodynamics of Supramolecular Naphthalenediimide Nanotube Formation: The Influence of Solvents, Side Chains, and Guest Templates. <i>Journal of the American Chemical Society</i> , 2012, 134, 566-573.	13.7	108
12	Fine Tuning the Anion Binding Properties of 2,6-Diamidopyridine Dipyrromethane Hybrid Macrocycles. <i>Journal of the American Chemical Society</i> , 2005, 127, 11442-11446.	13.7	105
13	Templated Dynamic Synthesis of a [3]Catenane. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 1443-1447.	13.8	101
14	Guanosine and fullerene derived de-aggregation of a new phthalocyanine-linked cytidine derivative. <i>Tetrahedron</i> , 2006, 62, 2123-2131.	1.9	93
15	Plagiarizing Proteins: Enhancing Efficiency in Asymmetric Hydrogen Bonding Catalysis through Positive Cooperativity. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 7391-7394.	13.8	84
16	Amplifying Different [2]Catenanes in an Aqueous Donor-Acceptor Dynamic Combinatorial Library. <i>Journal of the American Chemical Society</i> , 2009, 131, 16030-16032.	13.7	81
17	A Water Soluble Donor-Acceptor [2]Catenane that Can Switch between a Coplanar and a Gemini Sign Conformation. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 5331-5334.	13.8	77
18	Synthesis of 2,2'-Bipyrroles and 2,2'-Thienylpyrroles from Donor-Acceptor Cyclopropanes and 2-Cyanoheteroles. <i>Organic Letters</i> , 2004, 6, 1057-1059.	4.6	73

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19	Exploiting donor-acceptor interactions in aqueous dynamic combinatorial libraries: exploratory studies of simple systems. <i>Chemical Science</i> , 2010, 1, 567.	7.4	73
20	Supramolecular Chemistry of Environmentally Relevant Anions. <i>Advances in Inorganic Chemistry</i> , 2006, 59, 175-204.	1.0	70
21	Structural Parameters Governing the Dynamic Combinatorial Synthesis of Catenanes in Water. <i>Journal of the American Chemical Society</i> , 2012, 134, 19129-19135.	13.7	66
22	Efficient and Mild Microwave-Assisted Stepwise Functionalization of Naphthalenediimide with α -Amino Acids. <i>Journal of Organic Chemistry</i> , 2006, 71, 7063-7066.	3.2	63
23	Synthesis and Binding Studies of Novel Diethynyl-Pyridine Amides with Genomic Promoter DNA G-Quadruplexes. <i>Chemistry - A European Journal</i> , 2011, 17, 4571-4581.	3.3	58
24	Templated amplification of a naphthalenediimide-based receptor from a donor-acceptor dynamic combinatorial library in water. <i>Chemical Communications</i> , 2009, , 419-421.	4.1	57
25	The sergeants-and-soldiers effect: chiral amplification in naphthalenediimide nanotubes. <i>Organic and Biomolecular Chemistry</i> , 2010, 8, 4274.	2.8	50
26	Acyclic pyrrole-based anion receptors: design, synthesis, and anion-binding properties. <i>New Journal of Chemistry</i> , 2007, 31, 646.	2.8	49
27	A fully self-assembled non-symmetric triad for photoinduced charge separation. <i>Chemical Science</i> , 2011, 2, 676-685.	7.4	49
28	Interactions Between Amino Acid-Tagged Naphthalenediimide and Single Walled Carbon Nanotubes for the Design and Construction of New Bioimaging Probes. <i>Advanced Functional Materials</i> , 2012, 22, 503-518.	14.9	49
29	Synthesis and Anion Binding Properties of N,N'-Bispyrrol-2-yl-2,5-diamidopyrrole. <i>Organic Letters</i> , 2006, 8, 1593-1596.	4.6	48
30	Microwave-Assisted Synthesis of Naphthalenemonoimides and N-Desymmetrized Naphthalenediimides. <i>Journal of Organic Chemistry</i> , 2011, 76, 3338-3347.	3.2	48
31	Conversion of aldoximes into nitriles and amides under mild conditions. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 2466.	2.8	44
32	Pyrazine Analogues of Dipyrrolylquinoxalines. <i>Organic Letters</i> , 2003, 5, 4141-4144.	4.6	43
33	Synthesis and Anion Binding Properties of 2,5-Diamidothiophene Polypyrrole Schiff Base Macrocycles. <i>Organic Letters</i> , 2005, 7, 5277-5280.	4.6	42
34	Dynamic Combinatorial Donor-Acceptor Catenanes in Water: Access to Unconventional and Unexpected Structures. <i>Journal of Organic Chemistry</i> , 2011, 76, 1257-1268.	3.2	42
35	Proton-Driven Switching Between Receptors for C_{60} and C_{70} . <i>Angewandte Chemie - International Edition</i> , 2011, 50, 5725-5728.	13.8	41
36	Templated Amplification of an Unexpected Receptor for C_{70} . <i>Angewandte Chemie - International Edition</i> , 2008, 47, 2689-2692.	13.8	40

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37	A remarkably flexible and selective receptor for Ba ²⁺ amplified from a hydrazone dynamic combinatorial library. <i>Chemical Communications</i> , 2011, 47, 3371.	4.1	39
38	Synthesis of Bis-Indole Carboxamides as G-Quadruplex Stabilizing and Inducing Ligands. <i>Chemistry - A European Journal</i> , 2012, 18, 554-564.	3.3	38
39	Electronic structure and circular dichroism spectroscopy of naphthalenediimide nanotubes. <i>Physical Chemistry Chemical Physics</i> , 2009, 11, 6060.	2.8	32
40	Thermally Reduced Graphene Oxide Nanohybrids of Chiral Functional Naphthalenediimides for Prostate Cancer Cells Bioimaging. <i>Advanced Functional Materials</i> , 2016, 26, 5641-5657.	14.9	31
41	Third-harmonic Mie scattering from semiconductor nanohelices. <i>Nature Photonics</i> , 2022, 16, 126-133.	31.4	31
42	Aromatic donor-acceptor interactions in non-polar environments. <i>Chemical Communications</i> , 2015, 51, 8265-8268.	4.1	30
43	Ion Pairs and C ₆₀ : Simultaneous Guests in Supramolecular Nanotubes. <i>Chemistry - A European Journal</i> , 2010, 16, 81-84.	3.3	27
44	Controlled-folding of a small molecule modulates DNA G-quadruplex recognition. <i>Chemical Communications</i> , 2009, , 80-82.	4.1	25
45	Amino-Acid-Derived Naphthalenediimides as Versatile G-Quadruplex Binders. <i>Chemistry - A European Journal</i> , 2017, 23, 8491-8499.	3.3	25
46	Supramolecular chemistry of monochiral naphthalenediimides. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 7547.	2.8	21
47	Pressure Sensing and Electronic Amplification with Functionalized Graphite-Silicone Composite. <i>Advanced Functional Materials</i> , 2013, 23, 5398-5402.	14.9	21
48	A fluorescent Arg-Gly-Asp (RGD) peptide-naphthalenediimide (NDI) conjugate for imaging integrin $\alpha_5\beta_3$ in vitro. <i>Chemical Communications</i> , 2015, 51, 6901-6904.	4.1	21
49	The thermodynamics of the self-assembly of covalently linked oligomeric naphthalenediimides into helical organic nanotubes. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 607-614.	2.8	19
50	New host-guest chemistry of supramolecular nanotubes. <i>Faraday Discussions</i> , 2010, 145, 205-218.	3.2	17
51	Supramolecular Naphthalenediimide Nanotubes. <i>Topics in Current Chemistry</i> , 2011, 322, 217-260.	4.0	17
52	Donor-acceptor interactions in chemistry. <i>Annual Reports on the Progress of Chemistry Section B</i> , 2013, 109, 217.	0.9	17
53	Dynamic Generation of G-Quadruplex DNA Ligands by Target-Guided Combinatorial Chemistry on a Magnetic Nanoplatfom. <i>Journal of Medicinal Chemistry</i> , 2019, 62, 762-773.	6.4	17
54	A new approach towards biomarker selection in estimation of human exposure to chiral chemicals: a case study of mephedrone. <i>Scientific Reports</i> , 2017, 7, 13009.	3.3	16

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55	2-Amino-3,4-diethylpyrrole derivatives: New building blocks for coiled structures. <i>Chemical Communications</i> , 2006, , 2132-2134.	4.1	15
56	Molecular motion of donor-acceptor catenanes in water. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 2927-2930.	2.8	15
57	Structurally divergent dynamic combinatorial chemistry on racemic mixtures. <i>Nature Communications</i> , 2020, 11, 3528.	12.8	15
58	Direct core functionalisation of naphthalenediimides by iridium catalysed C-H borylation. <i>Chemical Communications</i> , 2014, 50, 13837-13840.	4.1	13
59	High-Yielding Synthesis of Chiral Donor-Acceptor Catenanes. <i>Journal of Organic Chemistry</i> , 2018, 83, 11654-11660.	3.2	13
60	Supramolecular chemistry of donor-acceptor interactions. <i>Annual Reports on the Progress of Chemistry Section B</i> , 2012, 108, 186.	0.9	12
61	A Model System for the Synthesis of Complanadine Alkaloids by α -Diverted Kondrat TM eva-Oxazole-Olefin Cycloaddition. <i>Journal of Organic Chemistry</i> , 2013, 78, 6253-6263.	3.2	10
62	Discovery of an all-donor aromatic [2]catenane. <i>Chemical Science</i> , 2020, 11, 9685-9690.	7.4	9
63	Single- and double-helices of \pm -dibenzylaminotripyrrin: solution and solid state studies. <i>Chemical Communications</i> , 2021, 57, 2617-2620.	4.1	9
64	Aliphatic C-H activation with aluminium trichloride-acetyl chloride: expanding the scope of the Baddeley reaction for the functionalisation of saturated hydrocarbons. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 1468-1475.	2.8	8
65	Borazatruxenes. <i>Chemical Science</i> , 2019, 10, 9565-9570.	7.4	8
66	Excitation-Energy-Dependent Molecular Beacon Detects Early Stage Neurotoxic $A\beta^2$ Aggregates in the Presence of Cortical Neurons. <i>ACS Chemical Neuroscience</i> , 2019, 10, 1240-1250.	3.5	8
67	Triggering G-Quadruplex Conformation Switching with [7]Helicenes. <i>Chemistry - A European Journal</i> , 2021, 27, 6064-6069.	3.3	7
68	New polydentate macrocyclic ligands of hybrid amine-imine and amide-imine types as artificial anion receptors. Synthesis and study of anion binding. <i>Russian Chemical Bulletin</i> , 2005, 54, 165-172.	1.5	6
69	Tetrazaaoctaphyrin \hat{A} — A biimidazole-containing expanded porphyrin. <i>Canadian Journal of Chemistry</i> , 2006, 84, 1218-1225.	1.1	6
70	Subphthalocyanine-Stoppered [2]Rotaxanes: Synthesis and Size/Energy Threshold of Slippage. <i>Organic Letters</i> , 2020, 22, 1096-1101.	4.6	6
71	Chemical Mapping Exposes the Importance of Active Site Interactions in Governing the Temperature Dependence of Enzyme Turnover. <i>ACS Catalysis</i> , 2021, 11, 14854-14863.	11.2	6
72	Dynamic Combinatorial Chemistry with Novel Dithiol Building Blocks: Towards New Structurally Diverse and Adaptive Screening Collections. <i>Synlett</i> , 2013, 24, 765-769.	1.8	5

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73	Chiral Phthalocyanines through Axial Coordination. <i>Organic Letters</i> , 2018, 20, 2645-2648.	4.6	5
74	Mapping the Chiroptical Properties of Local Domains in Thin Films of Chiral Silicon Phthalocyanines by CD Imaging. <i>Molecules</i> , 2020, 25, 6048.	3.8	5
75	Thermally stable recyclable naphthalenediimide-siloxane polymers. <i>Supramolecular Chemistry</i> , 2016, 28, 161-167.	1.2	3
76	Importance of Chiral Recognition in Designing Metal-Free Ligands for G-Quadruplex DNA. <i>Molecules</i> , 2019, 24, 1473.	3.8	3
77	Pyrroloindole-Based Dynamic Combinatorial Chemistry. <i>Symmetry</i> , 2020, 12, 726.	2.2	3
78	Borazatruxenes as precursors for hybrid C-BN 2D molecular networks. <i>Nanoscale</i> , 2022, 14, 1929-1943.	5.6	2
79	Synthesis of 2,2'-Bipyrroles and 2,2'-Thienylpyrroles from Donor-Acceptor Cyclopropanes and 2-Cyanoheteroles.. <i>ChemInform</i> , 2004, 35, no.	0.0	0
80	Synthesis and Study of a New Diamidodipyrromethane Macrocyclic. An Anion Receptor with a High Sulfate-to-Nitrate Binding Selectivity.. <i>ChemInform</i> , 2004, 35, no.	0.0	0