## Chunyan Chi

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/9420529/publications.pdf

Version: 2024-02-01

121	7,251	46	82
papers	citations	h-index	g-index
131	131	131	6793
all docs	docs citations	times ranked	citing authors

#	Article	IF	CITATIONS
1	Low band gap polycyclic hydrocarbons: from closed-shell near infrared dyes and semiconductors to open-shell radicals. Chemical Society Reviews, 2012, 41, 7857.	38.1	590
2	Pro-aromatic and anti-aromatic ⊨e-conjugated molecules: an irresistible wish to be diradicals. Chemical Society Reviews, 2015, 44, 6578-6596.	38.1	522
3	Graphene oxide/ferric hydroxide composites for efficient arsenate removal from drinking water. Journal of Hazardous Materials, 2010, 182, 162-168.	12.4	295
4	<i>N</i> -Annulated Perylene as An Efficient Electron Donor for Porphyrin-Based Dyes: Enhanced Light-Harvesting Ability and High-Efficiency Co(II/III)-Based Dye-Sensitized Solar Cells. Journal of the American Chemical Society, 2014, 136, 265-272.	13.7	283
5	Recent Highlights and Perspectives on Acene Based Molecules and Materials. Chemistry of Materials, 2014, 26, 4046-4056.	6.7	277
6	Tuneable Singlet Exciton Fission and Triplet–Triplet Annihilation in an Orthogonal Pentacene Dimer. Advanced Functional Materials, 2015, 25, 5452-5461.	14.9	184
7	Synthesis and Characterization of Monodisperse Oligofluorenes. Chemistry - A European Journal, 2004, 10, 2681-2688.	3.3	177
8	Pushing Extended $\langle i \rangle p \langle i \rangle$ -Quinodimethanes to the Limit: Stable Tetracyano-oligo( $\langle i \rangle N \langle i \rangle$ -annulated) Tj ETQq0 2013, 135, 6363-6371.	0 0 0 rgBT / 13.7	/Overlock 10 <sup>1</sup>
9	Dibenzoheptazethrene Isomers with Different Biradical Characters: An Exercise of Clar's Aromatic Sextet Rule in Singlet Biradicaloids. Journal of the American Chemical Society, 2013, 135, 18229-18236.	13.7	167
10	Controlled Growth of Largeâ€Area Highâ€Performance Smallâ€Molecule Organic Singleâ€Crystalline Transistors by Slotâ€Die Coating Using A Mixed Solvent System. Advanced Materials, 2013, 25, 6442-6447.	21.0	123
11	A Stable Heptacene Derivative Substituted With Electron-Deficient Trifluoromethylphenyl and Triisopropylsilylethynyl Groups. Organic Letters, 2010, 12, 3360-3363.	4.6	114
12	New Discotic Mesogens Based on Triphenylene-Fused Triazatruxenes: Synthesis, Physical Properties, and Self-Assembly. Chemistry of Materials, 2010, 22, 435-449.	6.7	113
13	Chain-Length Dependence of the Electrochemical Properties of Conjugated Oligofluorenes.  Macromolecular Rapid Communications, 2005, 26, 1532-1537.	3.9	109
14	Design of Cationic Conjugated Polyelectrolytes for DNA Concentration Determination. Journal of the American Chemical Society, 2007, 129, 11134-11145.	13.7	109
15	Synthesis and Characterizations of Star-Shaped Octupolar Triazatruxenes-Based Two-Photon Absorption Chromophores. Journal of Organic Chemistry, 2011, 76, 780-790.	3.2	108
16	Modification of acenes for n-channel OFET materials. Journal of Materials Chemistry C, 2018, 6, 3551-3563.	5.5	103
17	Monodisperse Oligofluorenes with Keto Defect as Models to Investigate the Origin of Green Emission From Polyfluorenes: Synthesis, Self-Assembly, and Photophysical Properties. Chemistry - A European Journal, 2005, 11, 6833-6845.	3.3	99
18	Formation of Azuleneâ€Embedded Nanographene: Naphthalene to Azulene Rearrangement During the Scholl Reaction. Angewandte Chemie - International Edition, 2020, 59, 9026-9031.	13.8	95

#	Article	IF	CITATIONS
19	Tetracyanoquaterrylene and Tetracyanohexarylenequinodimethanes with Tunable Ground States and Strong Nearâ€Infrared Absorption. Angewandte Chemie - International Edition, 2013, 52, 8561-8565.	13.8	94
20	Stepwise Cyanation of Naphthalene Diimide for n-Channel Field-Effect Transistors. Organic Letters, 2012, 14, 2964-2967.	4.6	92
21	Synthesis, Self-Assembly, and Charge Transporting Property of Contorted Tetrabenzocoronenes. Journal of Organic Chemistry, 2010, 75, 8069-8077.	3.2	88
22	Bisindeno-annulated pentacenes with exceptionally high photo-stability and ordered molecular packing: simple synthesis by a regio-selective Scholl reaction. Chemical Communications, 2015, 51, 3604-3607.	4.1	78
23	Thiophene-Fused Tetracene Diimide with Low Band Gap and Ambipolar Behavior. Organic Letters, 2011, 13, 5960-5963.	4.6	76
24	Extended Bis(anthraoxa)quinodimethanes with Nine and Ten Consecutively Fused Six-Membered Rings: Neutral Diradicaloids and Charged Diradical Dianions/Dications. Journal of the American Chemical Society, 2019, 141, 62-66.	13.7	75
25	Synthesis of a Sidewall Fragment of a (12,0) Carbon Nanotube. Angewandte Chemie - International Edition, 2021, 60, 2658-2662.	13.8	75
26	<i>meso</i> -Substituted Bisanthenes as Soluble and Stable Near-infrared Dyes. Journal of Organic Chemistry, 2010, 75, 856-863.	3.2	72
27	Cyanated Diazatetracene Diimides with Ultrahigh Electron Affinity for <i>n</i> -Channel Field Effect Transistors. Organic Letters, 2013, 15, 1194-1197.	4.6	72
28	Bis-N-annulated Quaterrylenebis(dicarboximide) as a New Soluble and Stable Near-Infrared Dye. Organic Letters, 2009, 11, 4508-4511.	4.6	71
29	Linear and star-shaped pyrazine-containing acene dicarboximides with high electron-affinity. Organic and Biomolecular Chemistry, 2012, 10, 7045.	2.8	71
30	Bisanthracene Bis(dicarboxylic imide)s as Soluble and Stable NIR Dyes. Chemistry - A European Journal, 2009, 15, 9299-9302.	3.3	70
31	Dianthraceno[a,e]pentalenes: synthesis, crystallographic structures and applications in organic field-effect transistors. Chemical Communications, 2015, 51, 503-506.	4.1	70
32	6,13-Dibromopentacene [2,3:9,10]-Bis(dicarboximide): A Versatile Building Block for Stable Pentacene Derivatives. Organic Letters, 2011, 13, 924-927.	4.6	69
33	A kinetically blocked 1,14:11,12-dibenzopentacene: a persistent triplet diradical of a non-Kekul $\tilde{A}$ © polycyclic benzenoid hydrocarbon. Chemical Science, 2014, 5, 1908.	7.4	69
34	Diazulenoâ€ <i>&gt;</i> à6€indacene Diradicaloids: Syntheses, Properties, and Local (anti)Aromaticity Shift from Neutral to Dicationic State. Angewandte Chemie - International Edition, 2018, 57, 16737-16741.	13.8	69
35	Synthetic Chemistry of Acenes and Heteroacenes. Current Organic Chemistry, 2010, 14, 2070-2108.	1.6	68
36	Extended Bis(benzothia)quinodimethanes and Their Dications: From Singlet Diradicaloids to Isoelectronic Structures of Long Acenes. Angewandte Chemie - International Edition, 2016, 55, 9316-9320.	13.8	68

#	Article	IF	Citations
37	Electron-Deficient Triphenylene and Trinaphthylene Carboximides. Organic Letters, 2009, 11, 3028-3031.	4.6	65
38	A Cruciform 6,6′â€Dipentacenyl: Synthesis, Solidâ€State Packing and Applications in Thinâ€Film Transistors. Chemistry - A European Journal, 2010, 16, 464-468.	3.3	63
39	Solution-Processed LiF-Doped ZnO Films for High Performance Low Temperature Field Effect Transistors and Inverted Solar Cells. ACS Applied Materials & Emp; Interfaces, 2013, 5, 6687-6693.	8.0	63
40	Antiaromatic bisindeno-[n]thienoacenes with small singlet biradical characters: syntheses, structures and chain length dependent physical properties. Chemical Science, 2014, 5, 4490-4503.	7.4	62
41	Cyclopenta Ring Fused Bisanthene and Its Charged Species with Openâ€Shell Singlet Diradical Character and Global Aromaticity/ Antiâ€Aromaticity. Angewandte Chemie - International Edition, 2017, 56, 11415-11419.	13.8	61
42	Zâ€Shaped Pentalenoâ€Acene Dimers with High Stability and Small Band Gap. Angewandte Chemie - International Edition, 2016, 55, 2693-2696.	13.8	59
43	A Soluble and Stable Quinoidal Bisanthene with NIR Absorption and Amphoteric Redox Behavior. Organic Letters, 2009, 11, 4854-4857.	4.6	56
44	Fused Bispentacenequinone and Its Unexpected Michael Addition. Organic Letters, 2010, 12, 3946-3949.	4.6	56
45	Synthesis of Ultrahighly Electron-Deficient Pyrrolo[3,4- <i>d</i> )]pyridazine-5,7-dione by Inverse Electron Demand Diels–Alder Reaction and Its Application as Electrochromic Materials. Organic Letters, 2014, 16, 6386-6389.	4.6	51
46	Large-Size Linear and Star-Shaped Dihydropyrazine Fused Pyrazinacenes. Organic Letters, 2012, 14, 494-497.	4.6	48
47	Photochemistry of various acene based molecules. Journal of Photochemistry and Photobiology C: Photochemistry Reviews, 2019, 38, 27-46.	11.6	47
48	Benzo[4,5]cyclohepta[1,2-b]fluorene: an isomeric motif for pentacene containing linearly fused five-, six- and seven-membered rings. Chemical Science, 2016, 7, 6176-6181.	7.4	45
49	Formation of Azuleneâ€Embedded Nanographene: Naphthalene to Azulene Rearrangement During the Scholl Reaction. Angewandte Chemie, 2020, 132, 9111-9116.	2.0	45
50	A Stable [4,3]Periâ€acene Diradicaloid: Synthesis, Structure, and Electronic Properties. Angewandte Chemie - International Edition, 2021, 60, 4464-4469.	13.8	45
51	Doubly and Triply Linked Porphyrinâ^'Perylene Monoimides as Near IR Dyes with Large Dipole Moments and High Photostability. Journal of Organic Chemistry, 2011, 76, 661-664.	3.2	44
52	Stable 7,14-Disubstituted-5,12-Dithiapentacenes with Quinoidal Conjugation. Organic Letters, 2014, 16, 3966-3969.	4.6	44
53	Efficient synthesis of a hetero[4]rotaxane by a "threading-stoppering-followed-by-clipping―approach. Organic and Biomolecular Chemistry, 2010, 8, 2594.	2.8	43
54	Synthesis, physical properties and self-assembly of star-shaped oligothiophenes-substituted and fused triphenylenes. Journal of Materials Chemistry, 2010, 20, 1932.	6.7	42

#	Article	IF	CITATIONS
55	Different Strategies for the Stabilization of Acenes and Acene Analogues. Chemical Record, 2016, 16, 1690-1700.	5.8	42
56	Lifetime determination of fluorescence and phosphorescence of a series of oligofluorenes. Journal of Chemical Physics, 2006, 124, 024907.	3.0	41
57	Room-temperature discotic liquid crystals based on oligothiophenes—attached and fused triazatruxenes. Journal of Materials Chemistry, 2009, 19, 8327.	6.7	41
58	A <i>p</i> â€Quinodimethaneâ€Bridged Porphyrin Dimer. Chemistry - A European Journal, 2013, 19, 16814-16824.	3.3	38
59	Benzo-thia-fused [n]thienoacenequinodimethanes with small to moderate diradical characters: the role of pro-aromaticity versus anti-aromaticity. Chemical Science, 2016, 7, 3036-3046.	7.4	38
60	Conjugated polyfluorene imidazolium ionic liquids intercalated reduced graphene oxide for high performance supercapacitor electrodes. Nano Energy, 2014, 6, 119-128.	16.0	37
61	Antiaromatic Dicyclopenta[ <i>b,g</i> ]/[ <i>a,f</i> ]naphthalene Isomers Showing an Open-Shell Singlet Ground State with Tunable Diradical Character. Journal of the American Chemical Society, 2021, 143, 20562-20568.	13.7	37
62	Packing and Uniaxial Alignment of Liquid Crystalline Oligofluorenes. Macromolecular Chemistry and Physics, 2005, 206, 1597-1609.	2.2	36
63	Dipolar Quinoidal Acene Analogues as Stable Isoelectronic Structures of Pentacene and Nonacene. Angewandte Chemie - International Edition, 2015, 54, 14412-14416.	13.8	36
64	Functionalized Coronenes: Synthesis, Solid Structure, and Properties. Journal of Organic Chemistry, 2012, 77, 11319-11324.	3.2	35
65	Thienoaceneâ€Fused Pentalenes: Syntheses, Structures, Physical Properties and Applications for Organic Fieldâ€Effect Transistors. Chemistry - A European Journal, 2015, 21, 2019-2028.	3.3	35
66	Formation of a Macrocyclesâ€inâ€aâ€Macrocycle Superstructure with Allâ€ <i>gauche</i> Conformation by Reversible Radical Association. Angewandte Chemie - International Edition, 2018, 57, 9023-9027.	13.8	35
67	Diacenopentalene dicarboximides as new n-type organic semiconductors for field-effect transistors. Journal of Materials Chemistry C, 2016, 4, 8758-8764.	5.5	34
68	Efficient Preparation of Separable Pseudo[ <i>n</i> ]rotaxanes by Selective Threading of Oligoalkylammonium Salts with Cucurbit[7]uril. Chemistry - A European Journal, 2009, 15, 6050-6057.	3.3	31
69	Synthesis of functionalized tetracene dicarboxylic imides. Tetrahedron Letters, 2010, 51, 6313-6315.	1.4	31
70	Large core-expanded triazatruxene-based discotic liquid crystals: synthesis, characterization and physical properties. Journal of Materials Chemistry, 2012, 22, 13180.	6.7	31
71	Molecular dynamics of oligofluorenes: A dielectric spectroscopy investigation. Journal of Chemical Physics, 2004, 120, 2368-2374.	3.0	30
72	6,13-Dicyano pentacene-2,3:9,10-bis(dicarboximide) for solution-processed air-stable n-channel field effect transistors and complementary circuit. Journal of Materials Chemistry C, 2013, 1, 456-462.	5.5	30

#	Article	IF	Citations
73	Multiexcitonic Triplet Pair Generation in Oligoacene Dendrimers as Amorphous Solidâ€State Miniatures. Angewandte Chemie - International Edition, 2020, 59, 20956-20964.	13.8	30
74	Water induced zinc oxide thin film formation and its transistor performance. Journal of Materials Chemistry C, 2014, 2, 5397-5403.	5.5	29
75	Incorporating TCNQ into Thiophene-Fused Heptacene for n-Channel Field Effect Transistor. Organic Letters, 2012, 14, 2786-2789.	4.6	27
76	Heterocyclic Quinodimethanes. Topics in Current Chemistry, 2017, 375, 68.	5.8	26
77	Solution-processable n-type and ambipolar semiconductors based on a fused cyclopentadithiophenebis(dicyanovinylene) core. Chemical Communications, 2013, 49, 7135.	4.1	25
78	Curved ⊨e-conjugated corannulene dimer diradicaloids. Chemical Science, 2018, 9, 5100-5105.	7.4	25
79	Synthesis of a Sidewall Fragment of a (12,0) Carbon Nanotube. Angewandte Chemie, 2021, 133, 2690-2694.	2.0	25
80	Diazulenoâ€ <i>&gt;</i> à€indacene Diradicaloids: Syntheses, Properties, and Local (anti)Aromaticity Shift from Neutral to Dicationic State. Angewandte Chemie, 2018, 130, 16979-16983.	2.0	24
81	Sulfur-Containing, Quinodimethane-Embedded Acene Analogue with Nine Consecutively Fused Six-Membered Rings. Organic Letters, 2019, 21, 3127-3130.	4.6	23
82	Cyclopenta Ring Fused Bisanthene and Its Charged Species with Openâ€Shell Singlet Diradical Character and Global Aromaticity/ Antiâ€Aromaticity. Angewandte Chemie, 2017, 129, 11573-11577.	2.0	22
83	ï∈-Conjugated oligothiophene–anthracene co-oligomers: synthesis, physical properties, and self-assembly. Journal of Materials Chemistry, 2009, 19, 8202.	6.7	21
84	Pro-aromatic bisphenaleno-thieno[3,2-b]thiophene versus anti-aromatic bisindeno-thieno[3,2-b]thiophene: different ground-state properties and applications in field-effect transistors. Chemical Communications, 2015, 51, 13178-13180.	4.1	21
85	Extended Bis(benzothia)quinodimethanes and Their Dications: From Singlet Diradicaloids to Isoelectronic Structures of Long Acenes. Angewandte Chemie, 2016, 128, 9462-9466.	2.0	21
86	Photophysical properties of octupolar triazatruxene-based chromophores. Physical Chemistry Chemical Physics, 2016, 18, 6789-6798.	2.8	21
87	Redoxactive Phenylacetylene Monodendrons:  Rapid Solid-Phase Synthesis and Their Electrochemical Properties. Macromolecules, 2001, 34, 3812-3814.	4.8	18
88	Cyclobis(7,8â€( para â€quinodimethane)â€4,4′â€triphenylamine) and Its Cationic Species Showing Annuleneâ Global (Anti)Aromaticity. Angewandte Chemie - International Edition, 2019, 58, 11742-11746.	ì€likg I3.8	18
89	A new solid-supported iterative divergent/convergent strategy for the synthesis of dendrimers. Tetrahedron Letters, 2001, 42, 2181-2184.	1.4	17
90	Solutionâ€Processable nâ€Type Semiconductors Based on Unsymmetrical Naphthalene Imides: Synthesis, Characterization, and Applications in Fieldâ€Effect Transistors. Chemistry - an Asian Journal, 2014, 9, 253-260.	3.3	17

#	Article	IF	Citations
91	Dicarboxylic imideâ€substituted poly( <i>p</i> a€phenylene vinylenes) with high electron affinity. Journal of Polymer Science Part A, 2010, 48, 186-194.	2.3	16
92	A phthalimide-fused naphthalene diimide with high electron affinity for a high performance n-channel field effect transistor. RSC Advances, 2013, 3, 6775.	3.6	15
93	Zâ€Shaped Pentalenoâ€Acene Dimers with High Stability and Small Band Gap. Angewandte Chemie, 2016, 128, 2743-2746.	2.0	15
94	Nonâ€classical Sâ€Heteroacenes with <i>o</i> àâ€Quinoidal Conjugation and Openâ€Shell Diradical Character. Chemistry - A European Journal, 2017, 23, 8525-8531.	3.3	15
95	Sâ€shaped <i>para</i> â€Quinodimethaneâ€Embedded Double [6]Helicene and Its Charged Species Showing Openâ€Shell Diradical Character. Chemistry - A European Journal, 2020, 26, 15613-15622.	3.3	15
96	Anatomy and Growth Characteristics of Conjugated Polyelectrolyte/DNA Aggregates. Advanced Functional Materials, 2008, 18, 3606-3612.	14.9	13
97	H-Shaped Oligothiophenes with Low Band Gaps and Amphoteric Redox Properties. Organic Letters, 2010, 12, 5660-5663.	4.6	13
98	Formation of a Macrocyclesâ€inâ€nâ€Macrocycle Superstructure with Allâ€ <i>gauche</i> Conformation by Reversible Radical Association. Angewandte Chemie, 2018, 130, 9161-9165.	2.0	13
99	Small angle neutron scattering as sensitive tool to detect ligand-dependent shape changes in a plant lectin with $\hat{I}^2$ -trefoil folding and their dependence on the nature of the solvent. Glycoconjugate Journal, 2009, 26, 111-116.	2.7	12
100	A Stable [4,3]Periâ€ecene Diradicaloid: Synthesis, Structure, and Electronic Properties. Angewandte Chemie, 2021, 133, 4514-4519.	2.0	12
101	A One-Pot Procedure to Prepare S-Protected 4-lodothiophenols. Synthetic Communications, 2000, 30, 4293-4298.	2.1	11
102	Dithieno-naphthalimide based copolymers for air-stable field effect transistors: synthesis, characterization and device performance. Journal of Materials Chemistry, 2012, 22, 21201.	6.7	11
103	Synthesis and Properties of Aza-Ovalene with Six Zigzag Edges. Organic Letters, 2021, 23, 8640-8644.	4.6	9
104	TCNQ-embedded heptacene and nonacene: synthesis, characterization and physical properties. Organic and Biomolecular Chemistry, 2013, 11, 6285.	2.8	7
105	Pyromellitic diimideâ€based copolymers for ambipolar fieldâ€effect transistors: Synthesis, characterization, and device applications. Journal of Polymer Science Part A, 2014, 52, 2454-2464.	2.3	7
106	Enhanced emission by stacking of crown ether side chains in a 2D covalent organic framework. Chemical Communications, 2022, 58, 1302-1305.	4.1	7
107	Oxidized divinyl oligoacene-bridged diruthenium complexes: bridged localized radical characters and reduced aromaticity in bridge cores. Dalton Transactions, 2020, 49, 16877-16886.	3.3	6
108	A Tetraindeno-Fused Bis(anthraoxa)quinodimethane with Nine Consecutively Fused Six-Membered Rings. Organic Letters, 2021, 23, 3027-3031.	4.6	6

#	Article	IF	Citations
109	Cyclobis(7,8â€( para â€quinodimethane)â€4,4′â€triphenylamine) and Its Cationic Species Showing Annulene Global (Anti)Aromaticity. Angewandte Chemie, 2019, 131, 11868-11872.	â€Like 2.0	5
110	Bisacenaphthopyrazinoquinoxaline derivatives: synthesis, physical properties and applications as semiconductors for n-channel field effect transistors. Organic and Biomolecular Chemistry, 2013, 11, 5683.	2.8	4
111	Synthesis of a Highly Fluorescent Bis(1,4â€oxaborine)pentacene. ChemPlusChem, 2021, 86, 836-839.	2.8	4
112	Managing Photoexcited States in Conjugated Polymers. Macromolecular Symposia, 2008, 268, 1-8.	0.7	3
113	Heterocyclic Quinodimethanes. Topics in Current Chemistry Collections, 2017, , 169-207.	0.5	2
114	Multiexcitonic Triplet Pair Generation in Oligoacene Dendrimers as Amorphous Solidâ€State Miniatures. Angewandte Chemie, 2020, 132, 21142-21150.	2.0	2
115	Rapid electron propagation through molecular wire monolayers sandwiched between two gold electrodes. Synthetic Metals, 2001, 121, 1269-1270.	3.9	1
116	Anthraceneâ€Fused Dibenzo[ <i>def</i> , <i>mno</i> ]chrysenes with a Helical Structure. Asian Journal of Organic Chemistry, 2018, 7, 1864-1871.	2.7	1
117	Synthesis of a Tetraepoxy Nanobelt and Its Reductive Aromatization Attempts. Organic Materials, 2020, 02, 330-335.	2.0	1
118	Cyclobis[2,5-(thiophenedimethane)-4,4′-(triphenylamine)] versus Its S,S-Dioxidized Macrocycle: Global Antiaromaticity and Intramolecular Dynamics. Organic Letters, 2021, 23, 6382-6386.	4.6	1
119	Innenrýcktitelbild: Multiexcitonic Triplet Pair Generation in Oligoacene Dendrimers as Amorphous Solidâ€State Miniatures (Angew. Chem. 47/2020). Angewandte Chemie, 2020, 132, 21431-21431.	2.0	0
120	Frontispiece: A Stable [4,3]Periâ€acene Diradicaloid: Synthesis, Structure, and Electronic Properties. Angewandte Chemie - International Edition, 2021, 60, .	13.8	0
121	Frontispiz: A Stable [4,3]Periâ€acene Diradicaloid: Synthesis, Structure, and Electronic Properties. Angewandte Chemie, 2021, 133, .	2.0	O