Jye-Shane Yang

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/9106799/publications.pdf

Version: 2024-02-01

94433 76900 5,878 116 37 74 citations h-index g-index papers 121 121 121 5598 docs citations times ranked citing authors all docs

#	Article	IF	CITATIONS
1	Solvatochromic Fluorescence of a GFP Chromophore-Containing Organogelator in Solutions and Organogels. Journal of Organic Chemistry, 2022, 87, 1723-1731.	3.2	5
2	A Rotation-Inversion Dual-Motion Molecular Switch: Race for NMR Signaling. Journal of Organic Chemistry, 2022, 87, 5029-5034.	3.2	3
3	On–off switching of the correlated motion in a rotationâ€inversion dualâ€mode molecular system. Journal of the Chinese Chemical Society, 2022, 69, 1475-1484.	1.4	4
4	Porous Supramolecular Assembly of Pentiptycene-Containing Gold(I) Complexes: Persistent Excited-State Aurophilicity and Inclusion-Induced Emission Enhancement. Inorganic Chemistry, 2022, 61, 11981-11991.	4.0	4
5	A happy new year of the Ox. Journal of the Chinese Chemical Society, 2021, 68, 12-12.	1.4	O
6	Preparation and Characterization of Intrinsic Porous Polyamides Based on Redox-Active Aromatic Diamines with Pentiptycene Scaffolds. ACS Macro Letters, 2021, 10, 1210-1215.	4.8	8
7	A polymorphic pentiptycene-containing gold(<scp>i</scp>) isocyanide complex: solvent- and conformation-dependent supramolecular luminescence. Dalton Transactions, 2020, 49, 15602-15606.	3.3	4
8	A Molecular Rotor That Probes the Helical Inversion of <i>Stiff-</i> Stilbene. Organic Letters, 2020, 22, 9158-9162.	4.6	8
9	Mechanochromic and vapochromic fluorescence of a bulky Ï€â€system : Alkyl chainâ€length effects, triplex emission, and differential sensing of aniline vapors. Journal of the Chinese Chemical Society, 2020, 67, 1957-1970.	1.4	2
10	Steric Engineering of Cyclometalated Pt(II) Complexes toward High-Contrast Monomer–Excimer-Based Mechanochromic and Vapochromic Luminescence. Inorganic Chemistry, 2020, 59, 11584-11594.	4.0	37
11	Electrochromic Response Capability Enhancement with Pentiptyceneâ€ncorporated Intrinsic Porous Polyamide Films. Macromolecular Rapid Communications, 2020, 41, e2000186.	3.9	9
12	Hydrogen Bondingâ€Induced Hâ€Aggregation for Fluorescence Turnâ€On of the GFP Chromophore: Supramolecular Structural Rigidity. Chemistry - A European Journal, 2020, 26, 5942-5945.	3.3	10
13	Photoluminescent and Photoresponsive Iptyceneâ€Incorporated Ï€â€Conjugated Systems: Fundamentals and Applications. ChemPhotoChem, 2020, 4, 538-563.	3.0	19
14	Alkyl Chain Length―and Polymorphâ€Dependent Photomechanochromic Fluorescence of Anthracene Photodimerization in Molecular Crystals: Role of the Lattice Stiffness. Chemistry - A European Journal, 2020, 26, 11511-11521.	3.3	12
15	Additiveâ€dependent iptycene incorporation in polyanilines: Insights into the pentiptycene clipping effect and the polymerization mechanism. Journal of the Chinese Chemical Society, 2019, 66, 1141-1156.	1.4	1
16	A dual fluorescent/phosphorescent zincophosphite with interesting water adsorption and structural transformation properties. Dalton Transactions, 2019, 48, 14294-14298.	3.3	5
17	Photomechanochromic <i>vs.</i> mechanochromic fluorescence of a unichromophoric bimodal molecular solid: multicolour fluorescence patterning. Chemical Science, 2018, 9, 8990-9001.	7.4	47
18	Iptycene substitution enhances the electrochemical activity and stability of polyanilines. Chemical Communications, 2018, 54, 5470-5473.	4.1	6

#	Article	IF	CITATIONS
19	In Situ Identification of Photo- and Moisture-Dependent Phase Evolution of Perovskite Solar Cells. ACS Energy Letters, 2017, 2, 342-348.	17.4	62
20	Excimer–Monomer Photoluminescence Mechanochromism and Vapochromism of Pentiptycene-Containing Cyclometalated Platinum(II) Complexes. Inorganic Chemistry, 2017, 56, 4978-4989.	4.0	72
21	Redox-Gated Tristable Molecular Brakes of Geared Rotation. Journal of Organic Chemistry, 2017, 82, 5354-5366.	3.2	22
22	Fluorescence Enhancement of Unconstrained GFP Chromophore Analogues Based on the Push–Pull Substituent Effect. Journal of Organic Chemistry, 2017, 82, 8031-8039.	3.2	32
23	Synthesis, Structural Characterization, and Electrochemical Properties of Isotruxene–Polyaniline Hybrid Systems. Journal of the Chinese Chemical Society, 2017, 64, 1007-1022.	1.4	5
24	Synthesis, Optical Properties, and Electronic Structures of Tetrakis(pentafluorophenyl)tetrathiaisophlorin Dioxide. Chemistry - A European Journal, 2016, 22, 9190-9197.	3.3	10
25	Charge-transfer and isomerization reactions of trans-4-(N-arylamino)stilbenes. Physical Chemistry Chemical Physics, 2016, 18, 28164-28174.	2.8	18
26	Multicolor Fluorescence Writing Based on Host–Guest Interactions and Forceâ€Induced Fluorescenceâ€Color Memory. Angewandte Chemie, 2015, 127, 8096-8100.	2.0	22
27	Multicolor Fluorescence Writing Based on Host–Guest Interactions and Forceâ€Induced Fluorescenceâ€Color Memory. Angewandte Chemie - International Edition, 2015, 54, 7985-7989.	13.8	104
28	<i>>o</i> â€Amino Analogs of Green Fluorescence Protein Chromophore: Photoisomerization, Photodimerization and Aggregationâ€induced Emission. Photochemistry and Photobiology, 2015, 91, 714-722.	2.5	8
29	Lightâ€Cated Molecular Brakes Based on Pentiptyceneâ€Incorporated Azobenzenes. Chemistry - an Asian Journal, 2015, 10, 989-997.	3.3	16
30	Fate of photoexcited trans-aminostilbenes. Journal of Photochemistry and Photobiology A: Chemistry, 2015, 312, 107-120.	3.9	23
31	Cooperativity and Site-Selectivity of Intramolecular Hydrogen Bonds on the Fluorescence Quenching of Modified GFP Chromophores. Journal of Organic Chemistry, 2015, 80, 12431-12443.	3.2	14
32	Conformational Control of Oligo(<i>p</i> phenyleneethynylene)s with Intrinsic Substituent Electronic Effects: Origin of the Twist in Pentiptyceneâ€Containing Systems. Chemistry - A European Journal, 2014, 20, 14826-14833.	3.3	18
33	Light―and Redoxâ€Gated Molecular Brakes Consisting of a Pentiptycene Rotor and an Indole Pad. Journal of the Chinese Chemical Society, 2014, 61, 507-516.	1.4	6
34	Aggregation-induced emission of GFP-like chromophores via exclusion of solvent–solute hydrogen bonding. Chemical Communications, 2014, 50, 620-622.	4.1	31
35	Effects of iptycene scaffolds on the photoluminescence of N, N-dimethylaminobenzonitrile and its analogues. Photochemical and Photobiological Sciences, 2014, 13, 211-223.	2.9	7
36	A Rotary Molecular Motor Gated by Electrical Energy. Organic Letters, 2014, 16, 6100-6103.	4.6	15

#	Article	IF	Citations
37	Radical Cation of Star-Shaped Condensed Oligofluorenes Having Isotruxene as a Core: Importance of Rigid Planar Structure on Charge Delocalization. Journal of Physical Chemistry A, 2014, 118, 2307-2315.	2.5	17
38	Unichromophoric Platinum-Acetylides That Contain Pentiptycene Scaffolds: Torsion-Induced Dual Emission and Steric Shielding of Dynamic Quenching. Inorganic Chemistry, 2014, 53, 737-745.	4.0	32
39	A Light-Gated Molecular Brake with Antilock and Fluorescence Turn-On Alarm Functions: Application of Singlet-State Adiabatic Cis â†' Trans Photoisomerization. Journal of Organic Chemistry, 2014, 79, 6321-6325.	3.2	22
40	Fluorescence response of TICT-active aminostilbenes to copper(II) ions: redox reaction vs ion recognition. Research on Chemical Intermediates, 2013, 39, 19-32.	2.7	7
41	\hat{l}^3 -Ray radiolysis and theoretical study on radical ions of star-shaped oligofluorenes having a truxene or isotruxene as a core. Chemical Physics, 2013, 419, 118-123.	1.9	7
42	Multisite Constrained Model of <i>trans</i> -4-(<i>N,N</i> -Dimethylamino)-4′-nitrostilbene for Structural Elucidation of Radiative and Nonradiative Excited States. Journal of Physical Chemistry A, 2013, 117, 3158-3164.	2.5	27
43	Effects of Hydrogen Bonding on Internal Conversion of GFP-like Chromophores. II. The <i>meta</i> -Amino Systems. Journal of Physical Chemistry B, 2013, 117, 2705-2716.	2.6	38
44	Effects of Hydrogen Bonding on Internal Conversion of GFP-like Chromophores. I. The <i>para</i> -Amino Systems. Journal of Physical Chemistry B, 2013, 117, 2695-2704.	2.6	36
45	An Antilock Molecular Braking System. Organic Letters, 2012, 14, 4154-4157.	4.6	26
46	Star-Shaped Oligothiophenes Containing an Isotruxene Core: Synthesis, Electronic Properties, Electropolymerization, and Film Morphology. Macromolecules, 2012, 45, 4529-4539.	4.8	25
47	Site-Selective Hydrogen-Bonding-Induced Fluorescence Quenching of Highly Solvatofluorochromic GFP-like Chromophores. Organic Letters, 2012, 14, 5034-5037.	4.6	75
48	Synthesis of Triptycene and Pentiptycene Halides via Nucleophilic Aromatic Substitution of Triflate Precursors. Journal of the Chinese Chemical Society, 2012, 59, 399-406.	1.4	2
49	Photoluminescence and <i>trans</i> â†' <i>cis</i> Photoisomerization of Aminostyrene-Conjugated Phenylpyridine C^N Ligands and Their Complexes with Platinum(II): The Styryl Position and the Amino Substituent Effects. Journal of Physical Chemistry B, 2012, 116, 8222-8232.	2.6	15
50	o-Amino Conjugation Effect on the Photochemistry oftrans-Aminostilbenes. Journal of Physical Chemistry A, 2011, 115, 3233-3242.	2.5	14
51	Toward a Four-Toothed Molecular Bevel Gear with <i>C</i> ₂ -Symmetrical Rotors. Journal of Organic Chemistry, 2011, 76, 5782-5792.	3.2	37
52	Structural Relaxation in the Singlet Excited State of Star-Shaped Oligofluorenes Having a Truxene or Isotruxene as a Core. Journal of Physical Chemistry B, 2011, 115, 13502-13507.	2.6	14
53	A Redox-Gated Slow-Fast-Stop Molecular Rotor. Organic Letters, 2011, 13, 5632-5635.	4.6	34
54	Ortho-Branched Ladder-Type Oligophenylenes with Two-Dimensionally π-Conjugated Electronic Properties. Journal of the American Chemical Society, 2011, 133, 8028-8039.	13.7	42

#	Article	IF	CITATIONS
55	A Pentiptyceneâ€Derived Molecular Brake: Photochemical <i>E→Z</i> and Electrochemical <i>Z→E</i> Switching of an Enone Module. Chemistry - A European Journal, 2011, 17, 1193-1200.	3.3	36
56	The <i>N</i> â€Arylamino Conjugation Effect in the Photochemistry of Fluorescent Protein Chromophores and Aminostilbenes. Chemistry - an Asian Journal, 2010, 5, 2075-2085.	3.3	28
57	Pentiptyceneâ€Derived Lightâ€Driven Molecular Brakes: Substituent Effects of the Brake Component. Chemistry - A European Journal, 2010, 16, 11594-11604.	3.3	40
58	Pentiptycene Building Blocks Derived from Nucleophilic Aromatic Substitution of Pentiptycene Triflates and Halides. Journal of Organic Chemistry, 2010, 75, 4640-4643.	3.2	13
59	Isotruxene-Derived Cone-Shaped Organic Dyes for Dye-Sensitized Solar Cells. Journal of Organic Chemistry, 2010, 75, 7877-7886.	3.2	49
60	Control of stilbene conformation and fluorescence in self-assembled capsules. Beilstein Journal of Organic Chemistry, 2009, 5, 79.	2.2	23
61	Pentiptyceneâ€Derived Oligo(<i>p</i> pi>â€phenyleneethynylene)s: Conformational Control, Chainâ€Length Effects, Localization of Excitation, and Intrachain Resonance Energy Transfer. Angewandte Chemie - International Edition, 2009, 48, 9936-9939.	13.8	30
62	Synthesis and characterization of low bandgap copolymers based on indenofluorene and thiophene derivative. Journal of Polymer Science Part A, 2009, 47, 5044-5056.	2.3	37
63	Substituent effect on the ground- and excited-state torsional motions of pentiptycene-derived 1,4-bis(phenylethynyl)benzenes. Journal of Photochemistry and Photobiology A: Chemistry, 2009, 207, 38-46.	3.9	9
64	Effect of Ground-State Twisting on the trans â†' cis Photoisomerization and TICT State Formation of Aminostilbenes. Journal of Physical Chemistry A, 2009, 113, 4868-4877.	2.5	61
65	Synthesis of New Halogenated Pentiptycene Building Blocks. Organic Letters, 2009, 11, 1429-1432.	4.6	16
66	Synthesis and Electronic Properties of Isotruxene-Derived Star-Shaped Ladder-Type Oligophenylenes: Bandgap Tuning with Two-Dimensional Conjugation. Organic Letters, 2009, 11, 4942-4945.	4.6	22
67	Facile Multistep Synthesis of Isotruxene and Isotruxenone. Journal of Organic Chemistry, 2009, 74, 3974-3977.	3.2	37
68	"Too Small, Too Big, and Just Right―â^' Optical Sensing of Molecular Conformations in Self-Assembled Capsules. Journal of the American Chemical Society, 2009, 131, 13190-13191.	13.7	72
69	Substituent Effect on the Optoelectronic Properties of Alternating Fluoreneâ ² Cyclopentadithiophene Copolymers. Macromolecules, 2008, 41, 6664-6671.	4.8	71
70	Electronic Properties of Star-Shaped Oligofluorenes Containing an Isotruxene Core: Interplay of Para and Ortho Conjugation Effects in Phenylene-Based π Systems. Journal of Physical Chemistry B, 2008, 112, 8871-8878.	2.6	33
71	Photoisomerization of the green fluorescence protein chromophore and the meta- and para-amino analogues. Chemical Communications, 2008, , 1344.	4.1	106
72	Central-ring functionalization and application of the rigid, aromatic, and H-shaped pentiptycene scaffold. Chemical Communications, 2008, , 1501.	4.1	132

#	Article	lF	Citations
73	A Pentiptycene-Derived Light-Driven Molecular Brake. Organic Letters, 2008, 10, 2279-2282.	4.6	77
74	Phospholipid-Induced Aggregation and Anthracene Excimer Formation. Organic Letters, 2008, 10, 4401-4404.	4.6	46
75	DNA-Templated formation and luminescence of diphenylacetylene dimeric and trimeric complexes. Photochemical and Photobiological Sciences, 2008, 7, 854-859.	2.9	13
76	Substituent Effect on the Optoelectronic Properties of Alternating Fluorene-Thiophene Copolymers. Macromolecules, 2007, 40, 8189-8194.	4.8	57
77	Meta Conjugation Effect on the Torsional Motion of Aminostilbenes in the Photoinduced Intramolecular Charge-Transfer State. Journal of the American Chemical Society, 2007, 129, 13183-13192.	13.7	156
78	Bimodal fluorescence signaling based on control of the excited-state conformational twisting and the ground-state protonation processes. Tetrahedron Letters, 2007, 48, 3097-3102.	1.4	20
79	Synthesis and Properties of Triptyceneâ€Diaminostilbene Hybrid Systems. Journal of the Chinese Chemical Society, 2006, 53, 1509-1516.	1.4	4
80	Synthesis and Properties of a Fluorene-Capped Isotruxene:  A New Unsymmetrical Star-Shaped π-System. Organic Letters, 2006, 8, 5813-5816.	4.6	43
81	Photoinduced Single- versus Double-Bond Torsion in Donorâ^'Acceptorâ^'Substituted trans-Stilbenes. Journal of Physical Chemistry A, 2006, 110, 8003-8010.	2.5	53
82	Pentiptycene Chemistry:  New Pentiptycene Building Blocks Derived from Pentiptycene Quinones. Journal of Organic Chemistry, 2006, 71, 844-847.	3.2	29
83	Emission from Charge Recombination during the Pulse Radiolysis of 9-Cyano-10-phenylethynylanthracenes with Donor and Acceptor Substituents. Journal of Organic Chemistry, 2006, 71, 8732-8739.	3.2	13
84	Probing the Intrachain and Interchain Effects on the Fluorescence Behavior of Pentiptycene-Derived Oligo(p-phenyleneethynylene)s. Journal of the American Chemical Society, 2006, 128, 14109-14119.	13.7	76
85	Emission from Charge Recombination during the Pulse Radiolysis of Arylethynylpyrenes. Journal of Physical Chemistry B, 2006, 110, 13296-13303.	2.6	13
86	Emission from Charge Recombination between Radical Cations and Radical Anions of 9â€Cyanoâ€10â€(<i>p</i> ppsibstituted Phenyl)Anthracene Generated during Pulse Radiolysis. Journal of the Chinese Chemical Society, 2006, 53, 1225-1234.	1.4	5
87	Synthesis, Dual Fluorescence, and Fluoroionophoric Behavior of Dipyridylaminomethylstilbenes. Journal of Organic Chemistry, 2005, 70, 6066-6073.	3.2	44
88	Excited-State Behavior of N-Phenyl-Substituted trans-3-Aminostilbenes:  Where the "m-Amino Effect― Meets the "Amino-Conjugation Effect― Journal of Physical Chemistry A, 2005, 109, 6450-6456.	2.5	30
89	Substituent-Dependent Photoinduced Intramolecular Charge Transfer inN-Aryl-Substitutedtrans-4-Aminostilbenes. Journal of the American Chemical Society, 2004, 126, 12325-12335.	13.7	159
90	Zn(II)-Induced Ground-State π-Deconjugation and Excited-State Electron Transfer inN,N-Bis(2-pyridyl)amino-Substituted Arenes. Journal of Organic Chemistry, 2004, 69, 3517-3525.	3.2	50

#	Article	IF	Citations
91	Spectroscopic Correlations between Supermolecules and Molecules. Anatomy of the Ion-Modulated Electronic Properties of the Nitrogen Donor in Monoazacrown-Derived Intrinsic Fluoroionophoresâ€. Journal of Organic Chemistry, 2004, 69, 719-726.	3.2	26
92	Examination of the electrified interfaces of Au() in 0.1 M HClO4 containing organic iodide compounds with cyclic voltammetry and in situ scanning tunneling microscopy. Surface Science, 2003, 523, 59-67.	1.9	23
93	Origin of the N-methyl and N-phenyl substituent effects on the fluorescence vibronic structures of trans-4-aminostilbene and its derivatives in hexaneThis paper is dedicated to Professor Fred Lewis on the event of his 60th birthday Photochemical and Photobiological Sciences, 2003, 2, 1225.	2.9	12
94	Solid-State Molecular Folding and Supramolecular Structures of Triptycene-Derived Secondary Dicarboxamides. Journal of Organic Chemistry, 2002, 67, 7343-7354.	3.2	31
95	Palladium-Catalyzed Synthesis oftrans-4-(N,N-Bis(2-pyridyl)amino)stilbene. A New Intrinsic Fluoroionophore for Transition Metal Ions. Organic Letters, 2002, 4, 777-780.	4.6	49
96	Fluorescence Enhancement oftrans-4-Aminostilbene byN-Phenyl Substitutions: The "Amino Conjugation Effect― Journal of the American Chemical Society, 2002, 124, 2518-2527.	13.7	133
97	Cu2+-Induced Blue Shift of the Pyrene Excimer Emission:  A New Signal Transduction Mode of Pyrene Probes. Organic Letters, 2001, 3, 889-892.	4.6	208
98	Highly Regioselective Anaerobic Photocyclization of 3-Styrylpyridines. Journal of the American Chemical Society, 2001, 123, 3878-3884.	13.7	52
99	Anomalous crystal packing of iptycene secondary diamides leading to novel chain and channel networks. Tetrahedron Letters, 2000, 41, 7911-7915.	1.4	21
100	Conformation and Monolayer Assembly Structure of a Pentiptycene-Derived α,ω-Alkanedithiolâ€. Journal of Organic Chemistry, 2000, 65, 871-877.	3.2	44
101	Design of novel iptycene-containing fluorescent polymers for the detection of TNT., 1999,,.		4
102	The Photochemistry oftrans-ortho-,-meta-, and -para-Aminostilbenes. Journal of the American Chemical Society, 1999, 121, 12045-12053.	13.7	97
103	Fluorescent Porous Polymer Films as TNT Chemosensors:Â Electronic and Structural Effects. Journal of the American Chemical Society, 1998, 120, 11864-11873.	13.7	1,167
104	Porous Shape Persistent Fluorescent Polymer Films:Â An Approach to TNT Sensory Materials. Journal of the American Chemical Society, 1998, 120, 5321-5322.	13.7	774
105	The Excited State Behavior of Aminostilbenes. A New Example of the Meta Effect. Journal of the American Chemical Society, 1997, 119, 3834-3835.	13.7	69
106	Solid-State Fluorescence of Aromatic Dicarboxamides. Dependence upon Crystal Packing. Journal of Physical Chemistry B, 1997, 101, 1775-1781.	2.6	51
107	Ground and Excited State Aromaticâ^'Aromatic Interactions with Distance Control by Hydrogen Bondingâ€. Journal of the American Chemical Society, 1996, 118, 2772-2773.	13.7	48
108	Crystal Structures of Secondary Arenedicarboxamides. An Investigation of Areneâ^'Hydrogen Bonding Relationships in the Solid State. Journal of the American Chemical Society, 1996, 118, 12029-12037.	13.7	68

#	Article	IF	CITATIONS
109	Molecular Structure and Photochemistry of (E)- and (Z)-Ethyl 3-(2-Indolyl)propenoate. Ground State Conformational Control of Photochemical Behavior and One-WayE→ Z Photoisomerization. The Journal of Physical Chemistry, 1996, 100, 14560-14568.	2.9	9
110	Hybrid Oligonucleotides Containing Stilbene Units. Excimer Fluorescence and Photodimerization. Journal of the American Chemical Society, 1995, 117, 8785-8792.	13.7	83
111	Correlation of solvolytic reactivities of 1,1,1-trifluoro-2-phenyl-2-propyl, 1-tert-butyl-1-phenylmethyl, and some related tosylates. Journal of Organic Chemistry, 1992, 57, 3041-3046.	3.2	27
112	Solvolyses of substituted naphthylmethyl tosylates. Importance of the extent of solvation on delocalized cationic transition states on the correlation of solvolytic reactivities. Tetrahedron Letters, 1992, 33, 3327-3330.	1.4	19
113	Electrochemical reduction of substituted ?,?,?-trifluoroacetophenones. Linear relationship between cyclic voltammetric peak potentials and Hammett substituent constants. Journal of Physical Organic Chemistry, 1990, 3, 723-731.	1.9	6
114	The Spectroscopy, Photophysics and Photochemistry of Anilines. , 0, , 783-833.		1
115	Biphenylvinylene quinolinol derivatives and their lightâ€emitting properties. Journal of the Chinese Chemical Society, 0, , .	1.4	0
116	Femtosecond Third-Order Non-Linear Optical Properties of Unconstrained Green Fluorescence Protein Chromophores. Frontiers in Physics, 0, 10 , .	2.1	7