Tahsin J Chow

List of Publications by Year in descending order

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75 papers	1,582 citations	304368 22 h-index	329751 37 g-index
77 all docs	77 docs citations	77 times ranked	2056 citing authors

#	Article	IF	Citations
1	Molecularly Engineered Cyclopenta[2,1-b;3,4-bâ€²]dithiophene-Based Hole-Transporting Materials for High-Performance Perovskite Solar Cells with Efficiency over 19%. ACS Applied Energy Materials, 2021, 4, 4719-4728.	2.5	21
2	Heptacene: Synthesis and Its Holeâ€Transfer Property in Stable Thin Films. Chemistry - A European Journal, 2021, 27, 10677-10684.	1.7	12
3	Spiroâ€sulfoneâ€based Auxiliary Acceptor in Dâ€Aâ€Ïâ€A Dyeâ€sensitized Solar Cells Application under Indoor/Outdoor Light. Asian Journal of Organic Chemistry, 2021, 10, 3396-3405.	1.3	2
4	Spiro[fluorene-9,9â€²-phenanthren]-10â€²-one as auxiliary acceptor of D-A-Ï€-A dyes for dye-sensitized solar cells under one sun and indoor light. Journal of Power Sources, 2020, 458, 228063.	4.0	37
5	Electrocatalytic hydrogen production using [FeFe]-hydrogenase mimics based on tetracene derivatives. New Journal of Chemistry, 2019, 43, 13810-13815.	1.4	4
6	Donorâ€“Acceptorâ€“Donor Type Cyclopenta[2,1-b;3,4-bâ€²]dithiophene Derivatives as a New Class of Hole Transporting Materials for Highly Efficient and Stable Perovskite Solar Cells. ACS Applied Energy Materials, 2019, 2, 7070-7082.	2.5	32
7	Highâ€Performance Organic Dyes with Electronâ€Deficient Quinoxalinoid Heterocycles for Dyeâ€sensitized Solar Cells under One Sun and Indoor Light. ChemSusChem, 2019, 12, 3654-3665.	3.6	51
8	Rational Design of Cyclopenta[2,1â€b;3,4â€bâ€²]dithiopheneâ€bridged Hole Transporting Materials for Highly Efficient and Stable Perovskite Solar Cells. Energy Technology, 2019, 7, 307-316.	1.8	18
9	Synthesis and physical properties of brominated hexacene and hole-transfer properties of thin-film transistors. RSC Advances, 2018, 8, 13259-13265.	1.7	7
10	Tri- and tetraarylanthracenes with novel Î», Ï‡ and Ï‘ topologies as blue-emissive and fluorescent host materials in organic light-emitting diodes (OLEDs). New Journal of Chemistry, 2017, 41, 4510-4517.	1.4	6
11	Performance Characterization of Dye-Sensitized Photovoltaics under Indoor Lighting. Journal of Physical Chemistry Letters, 2017, 8, 1824-1830.	2.1	51
12	Carbo[5]helicene versus planar phenanthrene as a scaffold for organic materials in OLEDs: the electroluminescence of anthracene-functionalized emissive materials. New Journal of Chemistry, 2017, 41, 14730-14737.	1.4	10
13	Helicenes as Allâ€inâ€One Organic Materials for Application in OLEDs: Synthesis and Diverse Applications of Carboâ€and Aza[5]helical Diamines. Chemistry - A European Journal, 2016, 22, 9375-9386.	1.7	41
14	Deep blue-emissive bifunctional (hole-transporting + emissive) materials with CIE_yâ‰¼ 0.06 based on a â€˜Uâ€™-shaped phenanthrene scaffold for application in organic light-emitting diodes. Journal of Materials Chemistry C, 2016, 4, 9310-9315.	2.7	21
15	Benzophenone-imbedded benzoyltriptycene with high triplet energy for application as a universal host material in phosphorescent organic light-emitting diodes (PhOLEDs). New Journal of Chemistry, 2016, 40, 6854-6859.	1.4	14
16	Holeâ€Transporting Materials Based on Twisted Bimesitylenes for Stable Perovskite Solar Cells with High Efficiency. ChemSusChem, 2016, 9, 274-279.	3.6	48
17	Benzophenones as Generic Host Materials for Phosphorescent Organic Light-Emitting Diodes. ACS Applied Materials & Interfaces, 2016, 8, 1527-1535.	4.0	43
18	Organic Dyes Containing a 1,3â€indandione Moiety as Light Harvesting Materials. Journal of the Chinese Chemical Society, 2015, 62, 832-837.	0.8	3

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19	Hexacene: Synthesis, Properties and Future Perspectives. Chemical Record, 2015, 15, 1137-1139.	2.9	11
20	Twisted biaryl-amines as novel host materials for green-emissive phosphorescent organic light-emitting diodes (PhOLEDs). RSC Advances, 2015, 5, 101169-101176.	1.7	6
21	Organic amorphous hole-transporting materials based on TrÃ¶ger's Base: alternatives to NPB. RSC Advances, 2015, 5, 26806-26810.	1.7	22
22	Pyridomethene–BF₂ complex/phenothiazine hybrid sensitizer with high molar extinction coefficient for efficient, sensitized solar cells. Journal of Materials Chemistry A, 2015, 3, 16831-16842.	5.2	30
23	Polymorphism-dependent fluorescence of bisthienylmaleimide with different responses to mechanical crushing and grinding pressure. CrystEngComm, 2014, 16, 11018-11026.	1.3	52
24	Selective â€œturn-offâ€•fluorescent sensing of mercury ions using aminocyclodextrin:3-hydroxy-N-phenyl-2-naphthamide complex in aqueous solution. RSC Advances, 2014, 4, 11714.	1.7	46
25	A pyridomethene–BF2 complex-based chemosensor for detection of hydrazine. RSC Advances, 2013, 3, 17924.	1.7	58
26	Phenothiazine derivatives as organic sensitizers for highly efficient dye-sensitized solar cells. Journal of Materials Chemistry, 2012, 22, 4040.	6.7	147
27	Platinum Complexes of 4â€Hydoxyâ€1,5â€naphthyridines as Emitting Dyes. Journal of the Chinese Chemical Society, 2012, 59, 357-364.	0.8	3
28	Tetracene-based field-effect transistors using solution processes. Journal of Materials Chemistry, 2012, 22, 13070.	6.7	34
29	Solution-processed organic micro crystal transistor based on tetraceno[2,3-b]thiophene from a monoketone precursor. Journal of Materials Chemistry, 2011, 21, 11317.	6.7	9
30	Geometrical effect of stilbene on the performance of organic dye-sensitized solar cells. Journal of Materials Chemistry, 2011, 21, 14907.	6.7	50
31	Highly efficient triarylene conjugated dyes for sensitized solar cells. Journal of Materials Chemistry, 2011, 21, 9523.	6.7	69
32	Highly efficient red fluorescent dyes for organic light-emitting diodes. Journal of Materials Chemistry, 2011, 21, 3091.	6.7	47
33	Theoretical characterization of photoinduced electron transfer in rigidly linked donor–acceptor molecules: the fragment charge difference and the generalized Mulliken–Hush schemes. Molecular Physics, 2010, 108, 2775-2789.	0.8	19
34	White Light-Emitting Devices Based on Star-Shape Polymers with a Bisindolylmaleimide Core. Macromolecules, 2010, 43, 5925-5931.	2.2	48
35	White light-emitting devices with a single emitting layer based on bisindolylmaleimide fluorophores. Journal of Materials Chemistry, 2009, 19, 5141.	6.7	21
36	Density functional theory analysis of a mixed–ligand iridium compound for multi–color organic light–emitting diodes. Journal of Physical Organic Chemistry, 2008, 21, 315-320.	0.9	12

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37	The Preparation of (8â€Hydroxyquinolinato)Bis(2â€Phenylpyridyl)Iridium Complexes and Their Photophysical Properties. Journal of the Chinese Chemical Society, 2008, 55, 439-448.	0.8	14
38	Tuning Excited-State Electron Transfer from an Adiabatic to Nonadiabatic Type in Donorâ~'Bridgeâ~'Acceptor Systems and the Associated Energy-Transfer Process. Journal of Physical Chemistry A, 2006, 110, 12136-12144.	1.1	46
39	Polymer Electrolyte Containing Dialkoxyacenes with Oligo(Ethylene Oxide) Side Chains. Journal of the Chinese Chemical Society, 2006, 53, 1335-1342.	0.8	2
40	Light Emitting Materials and Devices of PPV Type Compounds Containing Quinolines. Journal of the Chinese Chemical Society, 2005, 52, 811-818.	0.8	10
41	Photoinduced electron transfer across linearly fused oligo-norbornyl structures. Tetrahedron, 2005, 61, 6967-6975.	1.0	13
42	Synthesis and Electroluminescence of Metal 4â€Styrylâ€8â€hydroxyquinolates. Journal of the Chinese Chemical Society, 2004, 51, 735-742.	0.8	8
43	Photoinduced electron transfer reaction tuned by donorâ€“acceptor pairs via the rigid, linear spacer heptacyclo[6.6.0.02,6.03,13.04,11.05,9.010,14]tetradecane. Tetrahedron, 2003, 59, 5719-5730.	1.0	22
44	Bisindolylmaleimides as Red Electroluminescence Materials. Chemistry of Materials, 2003, 15, 4527-4532.	3.2	54
45	White light emission from single component polymers fabricated by spin coating. Applied Physics Letters, 2003, 82, 550-552.	1.5	74
46	Computations on a Series of Substituted Quinolines. Journal of the Chinese Chemical Society, 2003, 50, 593-596.	0.8	6
47	Preparation and Properties of 2-(9â€²-Carbazolyl)-3-(8â€³-hydroxy-2â€³-Quinolinyl)Acrylonitrile Derivatives. Journal of the Chinese Chemical Society, 2003, 50, 135-142.	0.8	2
48	Octasilsesquioxane Chemistry I. Attachment of Four Surface Bridges to Octasilsesquioxane Quasi-cube Framework. Journal of the Chinese Chemical Society, 2002, 49, 943-947.	0.8	2
49	Photo and electroluminescence of 2-anilino-5-phenylpenta-2,4-dienenitrile derivatives. Journal of Materials Chemistry, 2002, 12, 42-46.	6.7	14
50	Photoinduced electron transfer reactions across rigid linear spacer groups of high symmetry. Tetrahedron Letters, 2002, 43, 8115-8119.	0.7	11
51	Preparation of Hydroquinoneâ€Containing Polymers by ROMP. Journal of the Chinese Chemical Society, 2001, 48, 945-948.	0.8	7
52	Ole Fin Complexes of Silver(I) and Copper(I)Î²-Diketonates. Journal of the Chinese Chemical Society, 2001, 48, 1003-1008.	0.8	1
53	Heptacyclo[6.6.0.0 2,6 .0 3,13 .0 4,11 .0 5,9 .0 10,14]tetradecane: a new type of spacer for mediating electron transfer processes. Tetrahedron Letters, 2001, 42, 29-31.	0.7	16
54	The Bonding Structure of Quadricyclanylidene Derivatives. Journal of the Chinese Chemical Society, 2000, 47, 149-153.	0.8	0

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55	Synthesis of Isodrin Homologues with Parallel-Aligned Double Bonds. Synthetic Communications, 2000, 30, 4473-4478.	1.1	2
56	Synthesis of rod-shaped compounds: bis(7,7â€²-heptacyclo[6.6.0.02,6.03,13.04,11.05,9.010,14]tetradecanylidene) derivatives. Tetrahedron Letters, 1999, 40, 7799-7801.	0.7	12
57	A NMR Chemical Shift Analysis on Two Nonconjugated Triâ€Ï€â€Systems. Journal of the Chinese Chemical Society, 1999, 46, 827-831.	0.8	1
58	Solvolysis of isodrin derivatives. Evidence of long-range ?-participation in the stabilization of carbocations. Journal of Physical Organic Chemistry, 1998, 11, 871-878.	0.9	10
59	Bromination of Binorâ€S. Journal of the Chinese Chemical Society, 1997, 44, 49-57.	0.8	3
60	Chemistry of Isodrin Derivatives. The Syntheses of 11â€•and 12â€Hydroxyâ€1,4,4a,9,9a,10â€Hexahydroâ€Endo,Endoâ€1,4;9,10â€Dimethanoâ€Anthracenes. Journal of the Chinese Chemical Society, 1996, 43, 101-107.	0.8	2
61	The Structures of Quadricyclanone and its 3â€Cyclopentadienylidene Derivative. Journal of the Chinese Chemical Society, 1995, 42, 943-946.	0.8	3
62	Transannular Interactions in Polycyclic Hydrocarbons. The System of Cage-Shaped Hexacyclo[6.6.0.02,6.03,13.04,11.05,9]tetradecane Derivatives. Journal of Organic Chemistry, 1995, 60, 5651-5657.	1.7	10
63	The Chemistry of Binorâ€S and its Cyclopropyl Ring Transformations. Journal of the Chinese Chemical Society, 1994, 41, 167-174.	0.8	1
64	Chemistry of Cageâ€shaped Hydrocarbons. The Oxidation of Heptacyclo[6.6.0.0^{2,6}.0^{3,13}.0^{4,11}.0^{5,9}.0^{10,14}]tetradecane. Journal of the Chinese Chemical Society, 1994, 41, 833-841.	0.8	1
65	Substituent Effects on the Chemical Reactivities of Tricarbonyl and Tetracarbonyl Iron Complexes of 7â€Azanorbornadiene Derivatives. Journal of the Chinese Chemical Society, 1993, 40, 503-507.	0.8	3
66	Regioselectivity in a benzophenone-mediated photo-substitution of some cage-shaped hydrocarbons. Journal of Physical Organic Chemistry, 1992, 5, 721-724.	0.9	5
67	Small and Medium Rings, 75. Syntheses, Photoelectron Spectra, and Photoreactivity of Polycyclic 1,5â€Diketones: Transannular Interaction in the Cyclooctaneâ€1,5â€dione Fragment. Chemische Berichte, 1991, 124, 803-813.	0.2	20
68	Arrangement of Subchromophores: Orbital Interaction in the Heptacyclo[6.6.0.0^{2,6}.0^{3,13}.0^{4,11}.0^{5,9}.0^{10,14}]tetradecane System. Chemische Berichte, 1991, 124, 2871-2878.	0.2	16
69	Synthesis of Stable Sulfonium Ylides from Sulfoxides and Dimethyl Acetylenedicarboxylate. Synthetic Communications, 1988, 18, 519-523.	1.1	10
70	Synthesis and Reactions of 1,4,4a,5,8,8a-Hexahydro-1,4-Methano-5,8-Ethenonaphthalene. Synthetic Communications, 1988, 18, 1875-1881.	1.1	10
71	The Preparation of Heptacyclo[6.6.0.0.^{2,6}0.^{3,13}0.^{4,11}0.^{5,9}0.^{10,14}]Tetradecane Derivatives and the Analysis of Their NMR Spectra. Journal of the Chinese Chemical Society, 1988, 35, 291-299.	0.8	8
72	Molybdenum-mediated dimerization of norbornadiene and derivatives. Journal of the American Chemical Society, 1987, 109, 797-804.	6.6	47

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73	Dyotropic Hydrogen Migration in Pentacyclo[7.6.0.02,13.03, 8.010, 14]Pentadeca-4, 6,11-triene. Angewandte Chemie International Edition in English, 1986, 25, 1121-1122.	4.4	8
74	Synthesis of rodâ€shaped dipolar compounds for the study of longâ€range electronic interactions. Journal of the Chinese Chemical Society, 0, , .	0.8	1
75	Biphenylvinylene quinolinol derivatives and their lightâ€emitting properties. Journal of the Chinese Chemical Society, 0, , .	0.8	0