Henry Dube

List of Publications by Year
in descending order

53	2,177	218677	233421
papers	citations	26 h-index	45 g-index

70	70	70	1388
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Quantitative Inâ€Situ NMR Illumination for Excitation and Kinetic Analysis of Molecular Motor Intermediates. ChemPhotoChem, 2022, 6, .	3.0	1
2	Active Mechanical Threading by a Molecular Motor**. Angewandte Chemie - International Edition, 2022, 61, .	13.8	26
3	An Eight-State Molecular Sequential Switch Featuring a Dual Single-Bond Rotation Photoreaction. Journal of the American Chemical Society, 2022, 144, 3029-3038.	13.7	16
4	Hemithioindigo-Based Trioxobicyclononadiene: 3D Multiswitching of Electronic and Geometric Properties. Journal of the American Chemical Society, 2022, 144, 2847-2852.	13.7	9
5	Innentitelbild: Active Mechanical Threading by a Molecular Motor (Angew. Chem. 19/2022). Angewandte Chemie, 2022, 134, .	2.0	0
6	Photogearing as a concept for translation of precise motions at the nanoscale. Nature Chemistry, 2022, 14, 670-676.	13.6	23
7	Lightâ€Controlled Cellâ€Cycle Arrest and Apoptosis. Angewandte Chemie - International Edition, 2021, 60, 1187-1196.	13.8	28
8	Lightâ€Controlled Cellâ€Cycle Arrest and Apoptosis. Angewandte Chemie, 2021, 133, 1207-1216.	2.0	1
9	Electronic and Geometric Characterization of TICT Formation in Hemithioindigo Photoswitches by Picosecond Infrared Spectroscopy. Journal of Physical Chemistry A, 2021, 125, 4390-4400.	2.5	9
10	Steric Effects on the Thermal Processes of Hemithioindigo Based Molecular Motor Rotation. Chemistry - A European Journal, 2021, 27, 10758-10765.	3.3	13
11	Sulfoxide hemithioindigo tweezers â€“ visible light addressable capture and release. Chemical Science, 2021, 12, 3651-3659.	7.4	14
12	All-Red-Light Photoswitching of Indirubin Controlled by Supramolecular Interactions. Journal of the American Chemical Society, 2021, 143, 18251-18260.	13.7	26
13	Proton-conduction photomodulation in spiropyran-functionalized MOFs with large onâ€“off ratio. Chemical Science, 2020, 11, 1404-1410.	7.4	85
14	Reversible Photoswitching of Isolated Ionic Hemiindigos with Visible Light. ChemPhysChem, 2020, 21, 680-685.	2.1	14
15	Supramolecular Relay-Control of Organocatalysis with a Hemithioindigo-Based Molecular Motor. Journal of the American Chemical Society, 2020, 142, 19300-19307.	13.7	37
16	Tuning the Ground and Excited State Dynamics of Hemithioindigo Molecular Motors by Changing Substituents. Chemistry - A European Journal, 2020, 26, 13507-13512.	3.3	13
17	Oxidized Hemithioindigo Photoswitchesâ€”Influence of Oxidation State on (Photo)physical and Photochemical Properties. Chemistry - A European Journal, 2020, 26, 10712-10718.	3.3	5
18	Active and Unidirectional Acceleration of Biaryl Rotation by a Molecular Motor. Angewandte Chemie, 2020, 132, 5779-5786.	2.0	20

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19	Active and Unidirectional Acceleration of Biaryl Rotation by a Molecular Motor. Angewandte Chemie - International Edition, 2020, 59, 5730-5737.	13.8	50
20	Green light powered molecular state motor enabling eight-shaped unidirectional rotation. Nature Communications, 2019, 10, 4449.	12.8	51
21	A hemithioindigo molecular motor for metal surface attachment. Organic and Biomolecular Chemistry, 2019, 17, 1979-1983.	2.8	13
22	Symmetric and nonsymmetric bis-hemithioindigos â€“ precise visible light controlled shape-shifters. Organic Chemistry Frontiers, 2019, 6, 1244-1252.	4.5	10
23	A Prospective Ultrafast Hemithioindigo Molecular Motor. ChemPhotoChem, 2019, 3, 365-371.	3.0	19
24	Simultaneous complementary photoswitching of hemithioindigo tweezers for dynamic guest relocalization. Nature Communications, 2018, 9, 1456.	12.8	53
25	Indigoid Photoswitches: Visible Light Responsive Molecular Tools. Accounts of Chemical Research, 2018, 51, 1153-1163.	15.6	187
26	2â€(4â€²â€Pyridylâ€Nâ€oxide)â€Substituted Hemithioindigos as Photoresponsive Guests for a Super Arylâ€Extended Calix[4]pyrrole Receptor. Chemistry - an Asian Journal, 2018, 13, 1632-1639.	3.3	16
27	Transforming hemithioindigo from a two-way to a one-way molecular photoswitch by isolation in the gas phase. Physical Chemistry Chemical Physics, 2018, 20, 6868-6876.	2.8	7
28	Photoisomerization of Monoâ€Arylated Indigo and Waterâ€Induced Acceleration of Thermal cisâ€to‐â€trans Isomerization. ChemPhotoChem, 2018, 2, 458-464.	3.0	18
29	Complete Mechanism of Hemithioindigo Motor Rotation. Journal of the American Chemical Society, 2018, 140, 5311-5318.	13.7	75
30	Synthesis of Double-Bond-Substituted Hemithioindigo Photoswitches. Organic Letters, 2018, 20, 232-235.	4.6	35
31	Photoisomerization of Mono-Arylated Indigo and Water-Induced Acceleration of Thermal cis -to-trans Isomerization. ChemPhotoChem, 2018, 2, 452-452.	3.0	1
32	Photon-Only Molecular Motor with Reverse Temperature-Dependent Efficiency. Journal of the American Chemical Society, 2018, 140, 16442-16445.	13.7	64
33	Circular Dichroism Photoswitching with a Twist: Axially Chiral Hemiindigo. Journal of the American Chemical Society, 2018, 140, 13558-13561.	13.7	46
34	Ãœbertragung unidirektionaler molekularer Motorrotation auf eine rÃumlich getrennte Biarylachse. Angewandte Chemie, 2018, 130, 11231-11235.	2.0	18
35	Direct evidence for hula twist and single-bond rotation photoproducts. Nature Communications, 2018, 9, 2510.	12.8	57
36	Transmission of Unidirectional Molecular Motor Rotation to a Remote Biaryl Axis. Angewandte Chemie - International Edition, 2018, 57, 11064-11068.	13.8	51

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37	Bistable Photoswitching of Hemithioindigo with Green and Red Light: Entry Point to Advanced Molecular Digital Information Processing. Chemistry - A European Journal, 2017, 23, 6237-6243.	3.3	71
38	Frontispiece: Bistable Photoswitching of Hemithioindigo with Green and Red Light: Entry Point to Advanced Molecular Digital Information Processing. Chemistry - A European Journal, 2017, 23, .	3.3	0
39	Ingredients to TICT Formation in Donor Substituted Hemithioindigo. Journal of Physical Chemistry Letters, 2017, 8, 1585-1592.	4.6	44
40	Hemiindigo: Highly Bistable Photoswitching at the Biooptical Window. Journal of the American Chemical Society, 2017, 139, 15060-15067.	13.7	90
41	Direct Observation of Hemithioindigoâ€Motor Unidirectionality. Angewandte Chemie, 2017, 129, 14728-14731.	2.0	13
42	Direct Observation of Hemithioindigoâ€Motor Unidirectionality. Angewandte Chemie - International Edition, 2017, 56, 14536-14539.	13.8	64
43	Photocontrol of Polar Aromatic Interactions by a Bisâ€Hemithioindigo Based Helical Receptor. Chemistry - A European Journal, 2016, 22, 16433-16436.	3.3	35
44	Twisted Hemithioindigo Photoswitches: Solvent Polarity Determines the Type of Light-Induced Rotations. Journal of the American Chemical Society, 2016, 138, 12219-12227.	13.7	92
45	Sunlight-powered kHz rotation of a hemithioindigo-based molecular motor. Nature Communications, 2015, 6, 8406.	12.8	160
46	Hemithioindigoâ€”an emerging photoswitch. Tetrahedron Letters, 2015, 56, 4266-4274.	1.4	161
47	Making Fast Photoswitches Fasterâ€”Using Hammett Analysis to Understand the Limit of Donorâ€“Acceptor Approaches for Faster Hemithioindigo Photoswitches. Chemistry - A European Journal, 2014, 20, 13984-13992.	3.3	78
48	Selective Guest Exchange in Encapsulation Complexes Using Light of Different Wavelenghts. Angewandte Chemie - International Edition, 2012, 51, 3207-3210.	13.8	65
49	Photophysics Applied to Cavitands and Capsules. Israel Journal of Chemistry, 2011, 51, 700-709.	2.3	31
50	Photochemical Control of Reversible Encapsulation. Angewandte Chemie - International Edition, 2010, 49, 3192-3195.	13.8	83
51	Molecular Switching in Nanospaces. Journal of the Chinese Chemical Society, 2010, 57, 595-603.	1.4	6
52	Quantitative Inâ€Situ NMR Illumination for Excitation and Kinetic Analysis of Molecular Motor Intermediates. ChemPhotoChem, 0, , .	3.0	4
53	Active Mechanical Threading by a Molecular Motor. Angewandte Chemie, 0, , .	2.0	9