

Henry Dube

List of Publications by Year in descending order

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Version: 2024-02-01

53
papers

2,177
citations

218677

26
h-index

233421

45
g-index

70
all docs

70
docs citations

70
times ranked

1388
citing authors

#	ARTICLE	IF	CITATIONS
1	Indigoid Photoswitches: Visible Light Responsive Molecular Tools. <i>Accounts of Chemical Research</i> , 2018, 51, 1153-1163.	15.6	187
2	Hemithioindigoâ€”an emerging photoswitch. <i>Tetrahedron Letters</i> , 2015, 56, 4266-4274.	1.4	161
3	Sunlight-powered kHz rotation of a hemithioindigo-based molecular motor. <i>Nature Communications</i> , 2015, 6, 8406.	12.8	160
4	Twisted Hemithioindigo Photoswitches: Solvent Polarity Determines the Type of Light-Induced Rotations. <i>Journal of the American Chemical Society</i> , 2016, 138, 12219-12227.	13.7	92
5	Hemiindigo: Highly Bistable Photoswitching at the Biooptical Window. <i>Journal of the American Chemical Society</i> , 2017, 139, 15060-15067.	13.7	90
6	Proton-conduction photomodulation in spiropyran-functionalized MOFs with large onâ€”off ratio. <i>Chemical Science</i> , 2020, 11, 1404-1410.	7.4	85
7	Photochemical Control of Reversible Encapsulation. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 3192-3195.	13.8	83
8	Making Fast Photoswitches Fasterâ€”Using Hammett Analysis to Understand the Limit of Donorâ€”Acceptor Approaches for Faster Hemithioindigo Photoswitches. <i>Chemistry - A European Journal</i> , 2014, 20, 13984-13992.	3.3	78
9	Complete Mechanism of Hemithioindigo Motor Rotation. <i>Journal of the American Chemical Society</i> , 2018, 140, 5311-5318.	13.7	75
10	Bistable Photoswitching of Hemithioindigo with Green and Red Light: Entry Point to Advanced Molecular Digital Information Processing. <i>Chemistry - A European Journal</i> , 2017, 23, 6237-6243.	3.3	71
11	Selective Guest Exchange in Encapsulation Complexes Using Light of Different Wavelengths. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 3207-3210.	13.8	65
12	Direct Observation of Hemithioindigoâ€”Motor Unidirectionality. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 14536-14539.	13.8	64
13	Photon-Only Molecular Motor with Reverse Temperature-Dependent Efficiency. <i>Journal of the American Chemical Society</i> , 2018, 140, 16442-16445.	13.7	64
14	Direct evidence for hula twist and single-bond rotation photoproducts. <i>Nature Communications</i> , 2018, 9, 2510.	12.8	57
15	Simultaneous complementary photoswitching of hemithioindigo tweezers for dynamic guest relocalization. <i>Nature Communications</i> , 2018, 9, 1456.	12.8	53
16	Transmission of Unidirectional Molecular Motor Rotation to a Remote Biaryl Axis. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 11064-11068.	13.8	51
17	Green light powered molecular state motor enabling eight-shaped unidirectional rotation. <i>Nature Communications</i> , 2019, 10, 4449.	12.8	51
18	Active and Unidirectional Acceleration of Biaryl Rotation by a Molecular Motor. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 5730-5737.	13.8	50

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19	Circular Dichroism Photoswitching with a Twist: Axially Chiral Hemiindigo. <i>Journal of the American Chemical Society</i> , 2018, 140, 13558-13561.	13.7	46
20	Ingredients to TICT Formation in Donor Substituted Hemithioindigo. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 1585-1592.	4.6	44
21	Supramolecular Relay-Control of Organocatalysis with a Hemithioindigo-Based Molecular Motor. <i>Journal of the American Chemical Society</i> , 2020, 142, 19300-19307.	13.7	37
22	Photocontrol of Polar Aromatic Interactions by a Bisâ€Hemithioindigo Based Helical Receptor. <i>Chemistry - A European Journal</i> , 2016, 22, 16433-16436.	3.3	35
23	Synthesis of Double-Bond-Substituted Hemithioindigo Photoswitches. <i>Organic Letters</i> , 2018, 20, 232-235.	4.6	35
24	Photophysics Applied to Cavitands and Capsules. <i>Israel Journal of Chemistry</i> , 2011, 51, 700-709.	2.3	31
25	Lightâ€Controlled Cellâ€Cycle Arrest and Apoptosis. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 1187-1196.	13.8	28
26	All-Red-Light Photoswitching of Indirubin Controlled by Supramolecular Interactions. <i>Journal of the American Chemical Society</i> , 2021, 143, 18251-18260.	13.7	26
27	Active Mechanical Threading by a Molecular Motor**. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	26
28	Photogearing as a concept for translation of precise motions at the nanoscale. <i>Nature Chemistry</i> , 2022, 14, 670-676.	13.6	23
29	Active and Unidirectional Acceleration of Biaryl Rotation by a Molecular Motor. <i>Angewandte Chemie</i> , 2020, 132, 5779-5786.	2.0	20
30	A Prospective Ultrafast Hemithioindigo Molecular Motor. <i>ChemPhotoChem</i> , 2019, 3, 365-371.	3.0	19
31	Photoisomerization of Monoâ€Arylated Indigo and Waterâ€Induced Acceleration of Thermal <i>cis</i> â€toâ€ <i>trans</i> Isomerization. <i>ChemPhotoChem</i> , 2018, 2, 458-464.	3.0	18
32	Ãœbertragung unidirektionaler molekularer Motorrotation auf eine rÃ¼mlich getrennte Biarylachse. <i>Angewandte Chemie</i> , 2018, 130, 11231-11235.	2.0	18
33	2â€(4â€2â€Pyridylâ€N</i>â€oxide)â€Substituted Hemithioindigos as Photoresponsive Guests for a Super Arylâ€Extended Calix[4]pyrrole Receptor. <i>Chemistry - an Asian Journal</i> , 2018, 13, 1632-1639.	3.3	16
34	An Eight-State Molecular Sequential Switch Featuring a Dual Single-Bond Rotation Photoreaction. <i>Journal of the American Chemical Society</i> , 2022, 144, 3029-3038.	13.7	16
35	Reversible Photoswitching of Isolated Ionic Hemiindigos with Visible Light. <i>ChemPhysChem</i> , 2020, 21, 680-685.	2.1	14
36	Sulfoxide hemithioindigo tweezers â€“ visible light addressable capture and release. <i>Chemical Science</i> , 2021, 12, 3651-3659.	7.4	14

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37	Direct Observation of Hemithioindigo-Motor Unidirectionality. <i>Angewandte Chemie</i> , 2017, 129, 14728-14731.	2.0	13
38	A hemithioindigo molecular motor for metal surface attachment. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 1979-1983.	2.8	13
39	Tuning the Ground and Excited State Dynamics of Hemithioindigo Molecular Motors by Changing Substituents. <i>Chemistry - A European Journal</i> , 2020, 26, 13507-13512.	3.3	13
40	Steric Effects on the Thermal Processes of Hemithioindigo Based Molecular Motor Rotation. <i>Chemistry - A European Journal</i> , 2021, 27, 10758-10765.	3.3	13
41	Symmetric and nonsymmetric bis-hemithioindigos "precise visible light controlled shape-shifters. <i>Organic Chemistry Frontiers</i> , 2019, 6, 1244-1252.	4.5	10
42	Electronic and Geometric Characterization of TICT Formation in Hemithioindigo Photoswitches by Picosecond Infrared Spectroscopy. <i>Journal of Physical Chemistry A</i> , 2021, 125, 4390-4400.	2.5	9
43	Active Mechanical Threading by a Molecular Motor. <i>Angewandte Chemie</i> , 0, , .	2.0	9
44	Hemithioindigo-Based Trioxobicyclononadiene: 3D Multiswitching of Electronic and Geometric Properties. <i>Journal of the American Chemical Society</i> , 2022, 144, 2847-2852.	13.7	9
45	Transforming hemithioindigo from a two-way to a one-way molecular photoswitch by isolation in the gas phase. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 6868-6876.	2.8	7
46	Molecular Switching in Nanospaces. <i>Journal of the Chinese Chemical Society</i> , 2010, 57, 595-603.	1.4	6
47	Oxidized Hemithioindigo Photoswitches "Influence of Oxidation State on (Photo)physical and Photochemical Properties. <i>Chemistry - A European Journal</i> , 2020, 26, 10712-10718.	3.3	5
48	Quantitative <i>In-Situ</i> NMR Illumination for Excitation and Kinetic Analysis of Molecular Motor Intermediates. <i>ChemPhotoChem</i> , 0, , .	3.0	4
49	Photoisomerization of Mono-Arylated Indigo and Water-Induced Acceleration of Thermal <i>cis</i> -to- <i>trans</i> Isomerization. <i>ChemPhotoChem</i> , 2018, 2, 452-452.	3.0	1
50	Light-Controlled Cell-Cycle Arrest and Apoptosis. <i>Angewandte Chemie</i> , 2021, 133, 1207-1216.	2.0	1
51	Quantitative <i>In-Situ</i> NMR Illumination for Excitation and Kinetic Analysis of Molecular Motor Intermediates. <i>ChemPhotoChem</i> , 2022, 6, .	3.0	1
52	Frontispiece: Bistable Photoswitching of Hemithioindigo with Green and Red Light: Entry Point to Advanced Molecular Digital Information Processing. <i>Chemistry - A European Journal</i> , 2017, 23, .	3.3	0
53	Innentitelbild: Active Mechanical Threading by a Molecular Motor (<i>Angew. Chem.</i> 19/2022). <i>Angewandte Chemie</i> , 2022, 134, .	2.0	0