## Jos C M Kistemaker

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/3033866/publications.pdf Version: 2024-02-01



#	Article	IF	CITATIONS
1	A chemically powered unidirectional rotary molecular motor based on a palladium redox cycle. Nature Chemistry, 2016, 8, 860-866.	13.6	142
2	Unidirectional rotary motion in achiral molecular motors. Nature Chemistry, 2015, 7, 890-896.	13.6	134
3	Control of Surface Wettability Using Tripodal Light-Activated Molecular Motors. Journal of the American Chemical Society, 2014, 136, 3219-3224.	13.7	131
4	Locked synchronous rotor motion in a molecular motor. Science, 2017, 356, 964-968.	12.6	114
5	Understanding the Dynamics Behind the Photoisomerization of a Light-Driven Fluorene Molecular Rotary Motor. Journal of Physical Chemistry A, 2010, 114, 5058-5067.	2.5	96
6	Multi-State Regulation of the Dihydrogen Phosphate Binding Affinity to a Light- and Heat-Responsive Bis-Urea Receptor. Journal of the American Chemical Society, 2014, 136, 16784-16787.	13.7	78
7	Photoswitching of DNA Hybridization Using a Molecular Motor. Journal of the American Chemical Society, 2018, 140, 5069-5076.	13.7	70
8	Central-to-Helical-to-Axial-to-Central Transfer of Chirality with a Photoresponsive Catalyst. Journal of the American Chemical Society, 2018, 140, 17278-17289.	13.7	57
9	Tuning the Rotation Rate of Light-Driven Molecular Motors. Journal of Organic Chemistry, 2014, 79, 4446-4455.	3.2	56
10	Molecular Stirrers in Action. Journal of the American Chemical Society, 2014, 136, 14924-14932.	13.7	54
11	Third-Generation Light-Driven Symmetric Molecular Motors. Journal of the American Chemical Society, 2017, 139, 9650-9661.	13.7	54
12	Structural Dynamics of Overcrowded Alkene-Based Molecular Motors during Thermal Isomerization. Journal of Organic Chemistry, 2014, 79, 927-935.	3.2	49
13	Phosphoramidite-based photoresponsive ligands displaying multifold transfer of chirality in dynamic enantioselective metal catalysis. Nature Catalysis, 2020, 3, 488-496.	34.4	35
14	Exploring molecular motors. Materials Chemistry Frontiers, 2021, 5, 2900-2906.	5.9	35
15	Asymmetric Synthesis of First Generation Molecular Motors. Organic Letters, 2014, 16, 4220-4223.	4.6	34
16	Dicyanovinyl-based fluorescent sensors for dual mechanism amine sensing. Journal of Materials Chemistry C, 2020, 8, 13723-13732.	5.5	33
17	Spectroscopic and Theoretical Identification of Two Thermal Isomerization Pathways for Bistable Chiral Overcrowded Alkenes. Chemistry - A European Journal, 2016, 22, 13478-13487.	3.3	30
18	New Mechanistic Insight in the Thermal Helix Inversion of Secondâ€Generation Molecular Motors. Chemistry - A European Journal, 2008, 14, 11183-11193.	3.3	28

JOS C M KISTEMAKER

#	Article	IF	CITATIONS
19	Tetrapodal Molecular Switches and Motors: Synthesis and Photochemistry. Journal of Organic Chemistry, 2014, 79, 7032-7040.	3.2	27
20	Solvent effects on the thermal isomerization of a rotary molecular motor. Physical Chemistry Chemical Physics, 2016, 18, 26725-26735.	2.8	18
21	Enantiopure Functional Molecular Motors Obtained by a Switchable Chiralâ€Resolution Process. Chemistry - A European Journal, 2016, 22, 7054-7058.	3.3	17
22	On the Role of Viscosity in the Eyring Equation. ChemPhysChem, 2016, 17, 1819-1822.	2.1	17
23	Fluorine‧ubstituted Molecular Motors with a Quaternary Stereogenic Center. Chemistry - A European Journal, 2017, 23, 6643-6653.	3.3	12
24	Platinum(II) Complexes of Tridentate  oordinating Ligands Based on Imides, Amides, and Hydrazides: Synthesis and Luminescence Properties. European Journal of Inorganic Chemistry, 2021, 2021, 335-347.	2.0	9
25	Frontispiece: Spectroscopic and Theoretical Identification of Two Thermal Isomerization Pathways for Bistable Chiral Overcrowded Alkenes. Chemistry - A European Journal, 2016, 22, .	3.3	0