

Jos C M Kistemaker

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

1,330
citations

394286

19
h-index

610775

24
g-index

26
all docs

26
docs citations

26
times ranked

1295
citing authors

#	ARTICLE	IF	CITATIONS
1	A chemically powered unidirectional rotary molecular motor based on a palladium redox cycle. <i>Nature Chemistry</i> , 2016, 8, 860-866.	6.6	142
2	Unidirectional rotary motion in achiral molecular motors. <i>Nature Chemistry</i> , 2015, 7, 890-896.	6.6	134
3	Control of Surface Wettability Using Tripodal Light-Activated Molecular Motors. <i>Journal of the American Chemical Society</i> , 2014, 136, 3219-3224.	6.6	131
4	Locked synchronous rotor motion in a molecular motor. <i>Science</i> , 2017, 356, 964-968.	6.0	114
5	Understanding the Dynamics Behind the Photoisomerization of a Light-Driven Fluorene Molecular Rotary Motor. <i>Journal of Physical Chemistry A</i> , 2010, 114, 5058-5067.	1.1	96
6	Multi-State Regulation of the Dihydrogen Phosphate Binding Affinity to a Light- and Heat-Responsive Bis-Urea Receptor. <i>Journal of the American Chemical Society</i> , 2014, 136, 16784-16787.	6.6	78
7	Photoswitching of DNA Hybridization Using a Molecular Motor. <i>Journal of the American Chemical Society</i> , 2018, 140, 5069-5076.	6.6	70
8	Central-to-Helical-to-Axial-to-Central Transfer of Chirality with a Photoresponsive Catalyst. <i>Journal of the American Chemical Society</i> , 2018, 140, 17278-17289.	6.6	57
9	Tuning the Rotation Rate of Light-Driven Molecular Motors. <i>Journal of Organic Chemistry</i> , 2014, 79, 4446-4455.	1.7	56
10	Molecular Stirrers in Action. <i>Journal of the American Chemical Society</i> , 2014, 136, 14924-14932.	6.6	54
11	Third-Generation Light-Driven Symmetric Molecular Motors. <i>Journal of the American Chemical Society</i> , 2017, 139, 9650-9661.	6.6	54
12	Structural Dynamics of Overcrowded Alkene-Based Molecular Motors during Thermal Isomerization. <i>Journal of Organic Chemistry</i> , 2014, 79, 927-935.	1.7	49
13	Phosphoramidite-based photoresponsive ligands displaying multifold transfer of chirality in dynamic enantioselective metal catalysis. <i>Nature Catalysis</i> , 2020, 3, 488-496.	16.1	35
14	Exploring molecular motors. <i>Materials Chemistry Frontiers</i> , 2021, 5, 2900-2906.	3.2	35
15	Asymmetric Synthesis of First Generation Molecular Motors. <i>Organic Letters</i> , 2014, 16, 4220-4223.	2.4	34
16	Dicyanovinyl-based fluorescent sensors for dual mechanism amine sensing. <i>Journal of Materials Chemistry C</i> , 2020, 8, 13723-13732.	2.7	33
17	Spectroscopic and Theoretical Identification of Two Thermal Isomerization Pathways for Bistable Chiral Overcrowded Alkenes. <i>Chemistry - A European Journal</i> , 2016, 22, 13478-13487.	1.7	30
18	New Mechanistic Insight in the Thermal Helix Inversion of Second-Generation Molecular Motors. <i>Chemistry - A European Journal</i> , 2008, 14, 11183-11193.	1.7	28

#	ARTICLE	IF	CITATIONS
19	Tetrapodal Molecular Switches and Motors: Synthesis and Photochemistry. <i>Journal of Organic Chemistry</i> , 2014, 79, 7032-7040.	1.7	27
20	Solvent effects on the thermal isomerization of a rotary molecular motor. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 26725-26735.	1.3	18
21	Enantiopure Functional Molecular Motors Obtained by a Switchable Chiral Resolution Process. <i>Chemistry - A European Journal</i> , 2016, 22, 7054-7058.	1.7	17
22	On the Role of Viscosity in the Eyring Equation. <i>ChemPhysChem</i> , 2016, 17, 1819-1822.	1.0	17
23	Fluorine-Substituted Molecular Motors with a Quaternary Stereogenic Center. <i>Chemistry - A European Journal</i> , 2017, 23, 6643-6653.	1.7	12
24	Platinum(II) Complexes of Tridentate π -Coordinating Ligands Based on Imides, Amides, and Hydrazides: Synthesis and Luminescence Properties. <i>European Journal of Inorganic Chemistry</i> , 2021, 2021, 335-347.	1.0	9
25	Frontispiece: Spectroscopic and Theoretical Identification of Two Thermal Isomerization Pathways for Bistable Chiral Overcrowded Alkenes. <i>Chemistry - A European Journal</i> , 2016, 22, .	1.7	0