

Jan Van Esch

List of Publications by Year in descending order

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32
papers

3,355
citations

257450

24
h-index

414414

32
g-index

38
all docs

38
docs citations

38
times ranked

2518
citing authors

#	ARTICLE	IF	CITATIONS
1	Highly Enantioselective Rhodium-Catalyzed Hydrogenation with Monodentate Ligands. <i>Journal of the American Chemical Society</i> , 2000, 122, 11539-11540.	13.7	433
2	Responsive Cyclohexane-Based Low-Molecular-Weight Hydrogelators with Modular Architecture. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 1663-1667.	13.8	280
3	Chiral Recognition in Bis-Urea-Based Aggregates and Organogels through Cooperative Interactions. <i>Angewandte Chemie - International Edition</i> , 2001, 40, 613-616.	13.8	260
4	Remarkable Stabilization of Self-Assembled Organogels by Polymerization. <i>Journal of the American Chemical Society</i> , 1997, 119, 12675-12676.	13.7	250
5	Self-Assembly of Bisurea Compounds in Organic Solvents and on Solid Substrates. <i>Chemistry - A European Journal</i> , 1997, 3, 1238-1243.	3.3	235
6	Orthogonal Self-Assembly of Low Molecular Weight Hydrogelators and Surfactants. <i>Journal of the American Chemical Society</i> , 2003, 125, 14252-14253.	13.7	201
7	Entrapment and release of quinoline derivatives using a hydrogel of a low molecular weight gelator. <i>Journal of Controlled Release</i> , 2004, 97, 241-248.	9.9	194
8	Rheology and Thermotropic Properties of Bis-Urea-Based Organogels in Various Primary Alcohols. <i>Langmuir</i> , 2000, 16, 9249-9255.	3.5	186
9	Preparation of Nanostructures by Orthogonal Self-Assembly of Hydrogelators and Surfactants. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 2063-2066.	13.8	184
10	Two-stage enzyme mediated drug release from LMWG hydrogels. <i>Organic and Biomolecular Chemistry</i> , 2005, 3, 2917.	2.8	128
11	Remarkable Polymorphism in Gels of New Azobenzene Bis-urea Gelators. <i>Langmuir</i> , 2002, 18, 7136-7140.	3.5	117
12	Photocontrolled self-assembly of molecular switches. <i>Chemical Communications</i> , 2001, , 759-760.	4.1	101
13	Di-urea compounds as gelators for organic solvents. <i>Tetrahedron Letters</i> , 1997, 38, 281-284.	1.4	100
14	A new class of photochromic 1,2-diarylethenes; synthesis and switching properties of bis(3-thienyl)cyclopentenes. <i>Chemical Communications</i> , 1998, , 2313-2314.	4.1	84
15	Cyclohexane bis-urea compounds for the gelation of water and aqueous solutions. <i>Organic and Biomolecular Chemistry</i> , 2005, 3, 1631.	2.8	75
16	Supramolecular Control of Two-Dimensional Phase Behavior. <i>Chemistry - A European Journal</i> , 2003, 9, 1198-1206.	3.3	68
17	Cyclohexane-Based Low Molecular Weight Hydrogelators: A Chirality Investigation. <i>Chemistry - A European Journal</i> , 2005, 11, 5353-5361.	3.3	67
18	Tripodal Tris-Urea Derivatives as Gelators for Organic Solvents. <i>European Journal of Organic Chemistry</i> , 2000, 2000, 3675-3678.	2.4	63

#	ARTICLE	IF	CITATIONS
19	A new synthetic route to symmetrical photochromic diarylperfluorocyclopentenes. <i>Tetrahedron Letters</i> , 1999, 40, 1775-1778.	1.4	46
20	Nontrivial Differentiation between Two Identical Functionalities within the Same Molecule Studied by STM. <i>Journal of Physical Chemistry B</i> , 1998, 102, 8981-8987.	2.6	41
21	Design and STM Investigation of Intramolecular Folding in Self-Assembled Monolayers on the Surface. <i>Journal of the American Chemical Society</i> , 2004, 126, 13884-13885.	13.7	31
22	Controlling the Position of Functional Groups at the Liquid/Solid Interface: Impact of Molecular Symmetry and Chirality. <i>Journal of the American Chemical Society</i> , 2011, 133, 20942-20950.	13.7	28
23	Unusual Two-Dimensional Multicomponent Self-Assembly Probed by Scanning Tunneling Microscopy. <i>ChemPhysChem</i> , 2002, 3, 966-969.	2.1	21
24	Responsive Molecular Gels. , 2006, , 895-927.		8
25	Electrochemically assisted hydrogel deposition, shaping and detachment. <i>Electrochimica Acta</i> , 2020, 350, 136352.	5.2	6
26	Scanning tunnelling microscopy of a foldamer prototype at the liquid/solid interface: water/Au(111) versus 1-octanol/graphite. <i>New Journal of Chemistry</i> , 2006, 30, 1420.	2.8	5
27	Illumination-related pattern formations in lipid monolayers. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1995, 203, 235-241.	2.1	3
28	Pattern formations in lipid monolayers under illumination. <i>Physical Review E</i> , 1996, 53, 2580-2587.	2.1	2
29	Observation of instability of faceted crystals in lipid monolayers. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1998, 237, 247-252.	2.1	2
30	Molecular Patterning at a Liquid/Solid Interface: The Foldamer Approach. <i>Langmuir</i> , 2011, 27, 13598-13605.	3.5	2
31	Dynamic behaviors of fractal-like domains in monolayers. <i>Physical Review E</i> , 1996, 53, 6121-6125.	2.1	0
32	Supramolecular Chemistry at the Liquid/Solid Interface. <i>Materials Research Society Symposia Proceedings</i> , 2005, 901, 1.	0.1	0