Jurriaan Huskens

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421 papers	15,485 citations	63 h-index	104 g-index
437 ext. papers	16,717 ext. citations	8.3 avg, IF	6.75 L-index

#	Paper	IF	Citations
421	Multivalency in supramolecular chemistry and nanofabrication. *Organic and Biomolecular Chemistry*, **2004**, 2, 3409-24	3.9	429
420	Lanthanide induced shifts and relaxation rate enhancements. *Progress in Nuclear Magnetic Resonance Spectroscopy*, **1996**, 28, 283-350	10.4	421
419	Complete asymmetric induction of supramolecular chirality in a hydrogen-bonded assembly. *Nature* , **1999**, 398, 498-502	50.4	402
418	Meerwein-Ponndorf-Verley Reductions and Oppenauer Oxidations: An Integrated Approach. *Synthesis*, **1994**, 1994, 1007-1017	2.9	400
417	Optical sensing systems for microfluidic devices: a review. *Analytica Chimica Acta*, **2007**, 601, 141-55	6.6	340
416	Microcontact Printing: Limitations and Achievements. *Advanced Materials*, **2009**, 21, 2257-2268	24	335
415	Lanthanide-Doped Nanoparticles with Excellent Luminescent Properties in Organic Media. *Chemistry of Materials*, **2003**, 15, 4604-4616	9.6	301
414	Supported Catalysis in Continuous-Flow Microreactors. *Advanced Synthesis and Catalysis*, **2015**, 357, 1093-1123	5.6	230
413	Supramolecular layer-by-layer assembly: alternating adsorptions of guest- and host-functionalized molecules and particles using multivalent supramolecular interactions. *Journal of the American Chemical Society*, **2005**, 127, 7594-600	16.4	229
412	A model for describing the thermodynamics of multivalent host-guest interactions at interfaces. *Journal of the American Chemical Society*, **2004**, 126, 6784-97	16.4	220
411	Fabrication of transistors on flexible substrates: from mass-printing to high-resolution alternative lithography strategies. *Advanced Materials*, **2012**, 24, 5526-41	24	215
410	Ligands for f-element extraction used in the nuclear fuel cycle. *Chemical Society Reviews*, **2017**, 46, 7229-7273	58.5	195
409	Pathways to electrochemical solar-hydrogen technologies. *Energy and Environmental Science*, **2018**, 11, 2768-2783	35.4	165
408	Stable and transparent superhydrophobic nanoparticle films. *Langmuir*, **2009**, 25, 3260-3	4	158
407	Individual Supramolecular Host□Guest Interactions Studied by Dynamic Single Molecule Force Spectroscopy. *Journal of the American Chemical Society*, **2000**, 122, 4963-4967	16.4	156
406	Molecular printboards: versatile platforms for the creation and positioning of supramolecular assemblies and materials. *Chemical Society Reviews*, **2006**, 35, 1122-34	58.5	151
405	Writing patterns of molecules on molecular printboards. *Angewandte Chemie - International Edition*, **2004**, 43, 369-73	16.4	149

404	Beta-cyclodextrin host-guest complexes probed under thermodynamic equilibrium: thermodynamics and AFM force spectroscopy. *Journal of the American Chemical Society*, **2004**, 126, 1577-84	16.4	146
403	Directed self-assembly of functionalized silica nanoparticles on molecular printboards through multivalent supramolecular interactions. *Langmuir*, **2004**, 20, 11756-62	4	129
402	Attachment of molecules at a molecular printboard by multiple host-guest interactions. *Angewandte Chemie - International Edition*, **2002**, 41, 4467-71	16.4	128
401	Polymers in conventional and alternative lithography for the fabrication of nanostructures. *European Polymer Journal*, **2011**, 47, 2033-2052	5.2	127
400	Divalent binding of a bis(adamantyl)-functionalized calix[4]arene to beta-cyclodextrin-based hosts: an experimental and theoretical study on multivalent binding in solution and at self-assembled monolayers. *Journal of the American Chemical Society*, **2004**, 126, 6627-36	16.4	127
399	Dual stimuli-responsive self-assembled supramolecular nanoparticles. *Angewandte Chemie - International Edition*, **2014**, 53, 3400-4	16.4	123
398	Molecular printboards: monolayers of beta-cyclodextrins on silicon oxide surfaces. *Langmuir*, **2004**, 20, 5460-6	4	118
397	Directed Assembly of Nanoparticles onto Polymer-Imprinted or Chemically Patterned Templates Fabricated by Nanoimprint Lithography. *Advanced Materials*, **2005**, 17, 2718-2723	24	112
396	Electrochemically controlled supramolecular systems. *Coordination Chemistry Reviews*, **2007**, 251, 1761-1780	23.0	111
395	Multivalent interactions at interfaces. *Current Opinion in Chemical Biology*, **2006**, 10, 537-43	9.7	111
394	Characterization of Lanthanide(III) DOTP Complexes: Thermodynamics, Protonation, and Coordination to Alkali Metal Ions. *Inorganic Chemistry*, **1996**, 35, 4604-4612	5.1	110
393	A supramolecular system for the electrochemically controlled release of cells. *Angewandte Chemie - International Edition*, **2012**, 51, 12233-7	16.4	109
392	Binding control and stoichiometry of ferrocenyl dendrimers at a molecular printboard. *Journal of the American Chemical Society*, **2004**, 126, 12266-7	16.4	109
391	Janus particles with controllable patchiness and their chemical functionalization and supramolecular assembly. *Angewandte Chemie - International Edition*, **2009**, 48, 7677-82	16.4	108
390	Reactive self-assembled monolayers on flat and nanoparticle surfaces, and their application in soft and scanning probe lithographic nanofabrication technologies. *Journal of Materials Chemistry*, **2004**, 14, 2954		102
389	Ordered and oriented supramolecular n/p-heterojunction surface architectures: completion of the primary color collection. *Journal of the American Chemical Society*, **2009**, 131, 11106-16	16.4	101
388	Highly efficient diglycolamide-based task-specific ionic liquids: synthesis, unusual extraction behaviour, irradiation, and fluorescence studies. *Chemistry - A European Journal*, **2013**, 19, 3230-8	4.8	97
387	Diglycolamide-functionalized calix[4]arenes showing unusual complexation of actinide ions in room temperature ionic liquids: role of ligand structure, radiolytic stability, emission spectroscopy, and thermodynamic studies. *Inorganic Chemistry*, **2013**, 52, 2533-41	5.1	97

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385	Influencing the binding selectivity of self-assembled cyclodextrin monolayers on gold through their architecture. *Chemistry - A European Journal*, **2001**, 7, 4164-70	4.8	96
384	Interlaboratory round robin on cantilever calibration for AFM force spectroscopy. *Ultramicroscopy*, **2011**, 111, 1659-69	3.1	93
383	A highly efficient solvent system containing functionalized diglycolamides and an ionic liquid for americium recovery from radioactive wastes. *Dalton Transactions*, **2012**, 41, 6970-9	4.3	92
382	Extraction of Am(III) using novel solvent systems containing a tripodal diglycolamide ligand in room temperature ionic liquids: a □green□ approach for radioactive waste processing. *RSC Advances*, **2012**, 2, 7492	3.7	92
381	Spatial decoupling of light absorption and catalytic activity of Ni□Mo-loaded high-aspect-ratio silicon microwire photocathodes. *Nature Energy*, **2018**, 3, 185-192	62.3	88
380	Gradient-driven motion of multivalent ligand molecules along a surface functionalized with multiple receptors. *Nature Chemistry*, **2011**, 3, 317-22	17.6	86
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378	Chain Length and Concentration Dependence of □-Cyclodextrin□Ferrocene Host□Guest Complex Rupture Forces Probed by Dynamic Force Spectroscopy. *Langmuir*, **2002**, 18, 6988-6994	4	83
377	Cyclodextrin-based supramolecular nanoparticles for biomedical applications. *Journal of Materials Chemistry B*, **2017**, 5, 36-52	7.3	81
376	Multivalent dendrimers at molecular printboards: influence of dendrimer structure on binding strength and stoichiometry and their electrochemically induced desorption. *Langmuir*, **2005**, 21, 7866-76	4	81
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373	Capillary Force Lithography: Fabrication of Functional Polymer Templates as Versatile Tools for Nanolithography. *Advanced Functional Materials*, **2006**, 16, 1555-1565	15.6	78
372	Molecular printboards on silicon oxide: lithographic patterning of cyclodextrin monolayers with multivalent, fluorescent guest molecules. *Small*, **2005**, 1, 242-53	11	77
371	Host-guest interactions at self-assembled monolayers of cyclodextrins on gold. *Chemistry - A European Journal*, **2000**, 6, 1176-83	4.8	77
370	Reversible and oriented immobilization of ferrocene-modified proteins. *Journal of the American Chemical Society*, **2012**, 134, 19199-206	16.4	75
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364	Noncovalent nanoarchitectures on surfaces: from 2D to 3D nanostructures. *Journal of Materials Chemistry*, **2006**, 16, 3997		66
363	Patterned Self-Assembled Monolayers on Silicon Oxide Prepared by Nanoimprint Lithography and Their Applications in Nanofabrication. *Advanced Functional Materials*, **2005**, 15, 451-457	15.6	66
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333	From supramolecular chemistry to nanotechnology: Assembly of 3D nanostructures. *Pure and Applied Chemistry*, **2009**, 81, 2225-2233	2.1	48

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328	Coupled molecular switching processes in ordered mono- and multilayers of stimulus-responsive rotaxanes on gold surfaces. *Journal of the American Chemical Society*, **2015**, 137, 4382-90	16.4	46
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323	Assembly of nanoparticles on patterned surfaces by noncovalent interactions. *Current Opinion in Colloid and Interface Science*, **2008**, 13, 74-80	7.6	44
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307	Local doping of silicon using nanoimprint lithography and molecular monolayers. *Advanced Materials*, **2011**, 23, 1346-50	24	38
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