Jesper G Wiklander

List of Publications by Year
in descending order

28	1,339	471477 17	526264 27
papers	citations	h-index	g-index

29	29	29	1075
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Study of the nature of recognition in molecularly imprinted polymers, II. Journal of Chromatography A, 1999, 848, 39-49.	3.7	169
2	Theoretical and computational strategies for rational molecularly imprinted polymer design. Biosensors and Bioelectronics, 2009, 25, 543-552.	10.1	156
3	Can we rationally design molecularly imprinted polymers?. Analytica Chimica Acta, 2001, 435, 9-18.	5.4	149
4	Structure and Dynamics of Monomerâ^'Template Complexation: An Explanation for Molecularly Imprinted Polymer Recognition Site Heterogeneity. Journal of the American Chemical Society, 2009, 131, 13297-13304.	13.7	112
5	Strategies for Molecular Imprinting and the Evolution of MIP Nanoparticles as Plastic Antibodiesâ€"Synthesis and Applications. International Journal of Molecular Sciences, 2019, 20, 6304.	4.1	109
6	Probing the molecular basis for ligand-selective recognition in molecularly imprinted polymers selective for the local anaesthetic bupivacaine. Analytica Chimica Acta, 2001, 435, 57-64.	5.4	106
7	Rational design of biomimetic molecularly imprinted materials: theoretical and computational strategies for guiding nanoscale structured polymer development. Analytical and Bioanalytical Chemistry, 2011, 400, 1771-1786.	3.7	77
8	Nuclear magnetic resonance study of the molecular imprinting of (â^')-nicotine: template self-association, a molecular basis for cooperative ligand binding. Journal of Chromatography A, 2004, 1024, 39-44.	3.7	70
9	The roles of template complexation and ligand binding conditions on recognition in bupivacaine molecularly imprinted polymers. Analyst, The, 2004, 129, 456.	3.5	55
10	Mechanisms underlying molecularly imprinted polymer molecular memory and the role of crosslinker: resolving debate on the nature of template recognition in phenylalanine anilide imprinted polymers. Journal of Molecular Recognition, 2012, 25, 69-73.	2.1	38
11	Chemometric Models of TemplateMolecularly Imprinted Polymer Binding. Analytical Chemistry, 2005, 77, 5700-5705.	6.5	35
12	A k-nearest neighbor classification of hERG K+ channel blockers. Journal of Computer-Aided Molecular Design, 2016, 30, 229-236.	2.9	32
13	The Use of Computational Methods for the Development of Molecularly Imprinted Polymers. Polymers, 2021, 13, 2841.	4.5	32
14	Dielectric constants are not enough: Principal component analysis of the influence of solvent properties on molecularly imprinted polymerâ€"ligand rebinding. Biosensors and Bioelectronics, 2009, 25, 553-557.	10.1	22
15	In silico screening of molecular imprinting prepolymerization systems: oseltamivir selective polymers through full-system molecular dynamics-based studies. Organic and Biomolecular Chemistry, 2016, 14, 4210-4219.	2.8	22
16	Enantioselective TrÃ¶ger's Base Synthetic Receptors. Bioorganic Chemistry, 1999, 27, 363-371.	4.1	20
17	Hydrogen bond diversity in the pre-polymerization stage contributes to morphology and MIP-template recognition â€“ MAA versus MMA. European Polymer Journal, 2015, 66, 558-568.	5.4	19
18	Probing the limits of molecular imprinting: strategies with a template of limited size and functionality. Journal of Molecular Recognition, 2009, 22, 18-25.	2.1	18

#	Article	IF	Citations
19	Theoretical and Computational Strategies for the Study of the Molecular Imprinting Process and Polymer Performance. Advances in Biochemical Engineering/Biotechnology, 2015, 150, 25-50.	1.1	18
20	Synthesis and ligand recognition of paracetamol selective polymers: semi-covalent versus non-covalent molecular imprinting. Organic and Biomolecular Chemistry, 2009, 7, 3148.	2.8	16
21	Enantioselective synthetic thalidomide receptors based upon DNA binding motifs. Organic and Biomolecular Chemistry, 2004, 2, 3374.	2.8	14
22	Biotin selective polymer nano-films. Journal of Nanobiotechnology, 2014, 12, 8.	9.1	14
23	Towards a synthetic avidin mimic. Analytical and Bioanalytical Chemistry, 2011, 400, 1397-1404.	3.7	11
24	Discrimination between sialic acid linkage modes using sialyllactose-imprinted polymers. RSC Advances, 2021, 11, 22409-22418.	3.6	10
25	Towards Peptide and Protein Recognition by Antibody Mimicking Synthetic Polymers â€“ Background, State of the Art, and Future Outlook. Australian Journal of Chemistry, 2020, 73, 300.	0.9	7
26	Oxytocin-Selective Nanogel Antibody Mimics. International Journal of Molecular Sciences, 2022, 23, 2534.	4.1	4
27	CHAPTER 7. Theoretical and Computational Strategies in Molecularly Imprinted Polymer Development. RSC Polymer Chemistry Series, 2018, , 197-226.	0.2	2
28	Using Molecular in the Study of Molecularly Imprinted. Methods in Molecular Biology, 2021, 2359, 241-268.	0.9	0