

# Ian A Nicholls

## List of Publications by Year in descending order

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157  
papers

7,862  
citations

53794

45  
h-index

56724

83  
g-index

164  
all docs

164  
docs citations

164  
times ranked

5635  
citing authors

#	ARTICLE	IF	CITATIONS
1	Molecular imprinting science and technology: a survey of the literature for the years up to and including 2003. <i>Journal of Molecular Recognition</i> , 2006, 19, 106-180.	2.1	1,073
2	Molecular imprinting science and technology: a survey of the literature for the years 2004-2011. <i>Journal of Molecular Recognition</i> , 2014, 27, 297-401.	2.1	375
3	Receptor and transport properties of imprinted polymer membranes – a review. <i>Journal of Membrane Science</i> , 1999, 157, 263-278.	8.2	259
4	On the thermal and chemical stability of molecularly imprinted polymers. <i>Analytica Chimica Acta</i> , 2001, 435, 19-24.	5.4	234
5	Toward the semiquantitative estimation of binding constants. Guides for peptide-peptide binding in aqueous solution. <i>Journal of the American Chemical Society</i> , 1991, 113, 7020-7030.	13.7	205
6	Study of the nature of recognition in molecularly imprinted polymers, II. <i>Journal of Chromatography A</i> , 1999, 848, 39-49.	3.7	169
7	Carbon-Carbon Bond Formation Using Substrate Selective Catalytic Polymers Prepared by Molecular Imprinting: An Artificial Class II Aldolase. <i>Journal of Organic Chemistry</i> , 1996, 61, 5414-5417.	3.2	166
8	Innate immunity activation on biomaterial surfaces: A mechanistic model and coping strategies. <i>Advanced Drug Delivery Reviews</i> , 2011, 63, 1042-1050.	13.7	163
9	Theoretical and computational strategies for rational molecularly imprinted polymer design. <i>Biosensors and Bioelectronics</i> , 2009, 25, 543-552.	10.1	156
10	Can we rationally design molecularly imprinted polymers?. <i>Analytica Chimica Acta</i> , 2001, 435, 9-18.	5.4	149
11	Synthetic peptide receptor mimics: highly stereoselective recognition in non-covalent molecularly imprinted polymers. <i>Tetrahedron: Asymmetry</i> , 1994, 5, 649-656.	1.8	137
12	In vitro sliding of actin filaments labelled with single quantum dots. <i>Biochemical and Biophysical Research Communications</i> , 2004, 314, 529-534.	2.1	137
13	Insights into the role of the hydrogen bond and hydrophobic effect on recognition in molecularly imprinted polymer synthetic peptide receptor mimics. <i>Journal of Chromatography A</i> , 1995, 691, 349-353.	3.7	129
14	Combined Hydrophobic and Electrostatic Interaction-Based Recognition in Molecularly Imprinted Polymers. <i>Macromolecules</i> , 1999, 32, 633-636.	4.8	127
15	Structure and Dynamics of Monomer-Template Complexation: An Explanation for Molecularly Imprinted Polymer Recognition Site Heterogeneity. <i>Journal of the American Chemical Society</i> , 2009, 131, 13297-13304.	13.7	112
16	Strategies for Molecular Imprinting and the Evolution of MIP Nanoparticles as Plastic Antibodies – Synthesis and Applications. <i>International Journal of Molecular Sciences</i> , 2019, 20, 6304.	4.1	109
17	Spectroscopic Evaluation of Molecular Imprinting Polymerization Systems. <i>Bioorganic Chemistry</i> , 1997, 25, 203-211.	4.1	107
18	Probing the molecular basis for ligand-selective recognition in molecularly imprinted polymers selective for the local anaesthetic bupivacaine. <i>Analytica Chimica Acta</i> , 2001, 435, 57-64.	5.4	106

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19	Recognition and enantioselection of drugs and biochemicals using molecularly imprinted polymer technology. <i>Trends in Biotechnology</i> , 1995, 13, 47-51.	9.3	94
20	Thermodynamic Considerations for the Design of and Ligand Recognition by Molecularly Imprinted Polymers. <i>Chemistry Letters</i> , 1995, 24, 1035-1036.	1.3	93
21	Metal ion mediated recognition in molecularly imprinted polymers. <i>Analytica Chimica Acta</i> , 1996, 335, 71-77.	5.4	91
22	Silanized surfaces for in vitro studies of actomyosin function and nanotechnology applications. <i>Analytical Biochemistry</i> , 2003, 323, 127-138.	2.4	79
23	Theophylline molecularly imprinted polymer dissociation kinetics: a novel sustained release drug dosage mechanism. <i>Journal of Molecular Recognition</i> , 1998, 11, 98-102.	2.1	77
24	Rational design of biomimetic molecularly imprinted materials: theoretical and computational strategies for guiding nanoscale structured polymer development. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 400, 1771-1786.	3.7	77
25	Molecular imprinting of surfaces. <i>Bioseparation</i> , 2001, 10, 301-305.	0.7	76
26	Actin Filament Guidance on a Chip: Toward High-Throughput Assays and Lab-on-a-Chip Applications. <i>Langmuir</i> , 2006, 22, 7286-7295.	3.5	75
27	Molecularly imprinted polymer catalysis of a Diels-Alder reaction. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2009, 58, 110-117.	1.8	75
28	Actomyosin motility on nanostructured surfaces. <i>Biochemical and Biophysical Research Communications</i> , 2003, 301, 783-788.	2.1	73
29	Molecular recognition in cinchona alkaloid molecular imprinted polymer rods. <i>Analytica Chimica Acta</i> , 1998, 365, 89-93.	5.4	71
30	Nuclear magnetic resonance study of the molecular imprinting of ( $\alpha$ )-nicotine: template self-association, a molecular basis for cooperative ligand binding. <i>Journal of Chromatography A</i> , 2004, 1024, 39-44.	3.7	70
31	A Molecularly Imprinted Polymer-Based Synthetic Transaminase. <i>Journal of the American Chemical Society</i> , 2004, 126, 8554-8560.	13.7	69
32	Cobalt Catalyzed, Regioselective C(sp <sup>2</sup> )-H Activation of Amides with 1,3-Diynes. <i>Organic Letters</i> , 2017, 19, 4758-4761.	4.6	69
33	Filamentous bacteriophage stability in non-aqueous media. <i>Chemistry and Biology</i> , 2001, 8, 661-671.	6.0	66
34	Highly stereoselective molecularly imprinted polymer synthetic receptors for cinchona alkaloids. <i>Tetrahedron: Asymmetry</i> , 1996, 7, 1357-1361.	1.8	64
35	Guiding motor-propelled molecules with nanoscale precision through silanized bi-channel structures. <i>Nanotechnology</i> , 2005, 16, 710-717.	2.6	63
36	Correlated theoretical, spectroscopic and X-ray crystallographic studies of a non-covalent molecularly imprinted polymerisation system. <i>Analyst</i> , 2007, 132, 1161.	3.5	63

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37	Electrooxidative Amination of sp <sup>2</sup> C-H Bonds: Coupling of Amines with Aryl Amides via Copper Catalysis. <i>Organic Letters</i> , 2019, 21, 1968-1972.	4.6	59
38	Highly Efficient Synthesis and Assay of Protein-Imprinted Nanogels by Using Magnetic Templates. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 727-730.	13.8	58
39	Spectroscopic studies of the molecular imprinting self-assembly process. , 1998, 11, 83-86.		57
40	The roles of template complexation and ligand binding conditions on recognition in bupivacaine molecularly imprinted polymers. <i>Analyst</i> , 2004, 129, 456.	3.5	55
41	Selective Spatial Localization of Actomyosin Motor Function by Chemical Surface Patterning. <i>Langmuir</i> , 2006, 22, 7302-7312.	3.5	54
42	Towards the rational design of molecularly imprinted polymers. , 1998, 11, 79-82.		53
43	Prediction of inflammatory responses induced by biomaterials in contact with human blood using protein fingerprint from plasma. <i>Biomaterials</i> , 2015, 36, 55-65.	11.4	52
44	The Spectrophysics of Warfarin: Implications for Protein Binding. <i>Journal of Physical Chemistry B</i> , 2007, 111, 10520-10528.	2.6	51
45	Influence of Composition and Morphology on Template Recognition in Molecularly Imprinted Polymers. <i>Macromolecules</i> , 2013, 46, 1408-1414.	4.8	49
46	The effect of crosslinking density on molecularly imprinted polymer morphology and recognition. <i>European Polymer Journal</i> , 2016, 75, 423-430.	5.4	49
47	The rational use of hydrophobic effect-based recognition in molecularly imprinted polymers. , 1998, 11, 94-97.		48
48	Blood protein-polymer adsorption: Implications for understanding complement-mediated hemoincompatibility. <i>Journal of Biomedical Materials Research - Part A</i> , 2011, 97A, 74-84.	4.0	48
49	Protein-resistant hyperbranched polyethyleneimine brush surfaces. <i>Journal of Colloid and Interface Science</i> , 2013, 396, 307-315.	9.4	46
50	Selection of phage display combinatorial library peptides with affinity for a yohimbine imprinted methacrylate polymer. <i>Analytical Communications</i> , 1998, 35, 3-7.	2.2	43
51	Application of non-specific fluorescent dyes for monitoring enantio-selective ligand binding to molecularly imprinted polymers. <i>Fresenius' Journal of Analytical Chemistry</i> , 1999, 364, 512-516.	1.5	43
52	Computational Strategies for the Design and Study of Molecularly Imprinted Materials. <i>Industrial &amp; Engineering Chemistry Research</i> , 2013, 52, 13900-13909.	3.7	43
53	Design and implementation of an imprinted material for the extraction of the endocrine disruptor bisphenol A from milk. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2013, 931, 164-169.	2.3	40
54	On the Influence of Crosslinker on Template Complexation in Molecularly Imprinted Polymers: A Computational Study of Prepolymerization Mixture Events with Correlations to Template-Polymer Recognition Behavior and NMR Spectroscopic Studies. <i>International Journal of Molecular Sciences</i> , 2014, 15, 10622-10634.	4.1	40

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55	Mode of Heavy Meromyosin Adsorption and Motor Function Correlated with Surface Hydrophobicity and Charge. <i>Langmuir</i> , 2007, 23, 11147-11156.	3.5	39
56	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. <i>Journal of Molecular Recognition</i> , 2012, 25, 69-73.	2.1	38
57	Rhodium(III)-catalysed aerobic synthesis of highly functionalized indoles from N-aryurea under mild conditions through C-H activation. <i>Chemical Communications</i> , 2014, 50, 14964-14967.	4.1	37
58	Towards Global QSAR Model Building for Acute Toxicity: Munro Database Case Study. <i>International Journal of Molecular Sciences</i> , 2014, 15, 18162-18174.	4.1	36
59	Chemometric Models of Template-Molecularly Imprinted Polymer Binding. <i>Analytical Chemistry</i> , 2005, 77, 5700-5705.	6.5	35
60	TBADH activity in water-miscible organic solvents: correlations between enzyme performance, enantioselectivity and protein structure through spectroscopic studies. <i>Organic and Biomolecular Chemistry</i> , 2005, 3, 750.	2.8	35
61	Recognition in molecularly imprinted polymer $\beta$ -adrenoreceptor mimics. <i>Bioorganic and Medicinal Chemistry Letters</i> , 1996, 6, 2237-2242.	2.2	34
62	Molecularly imprinted polymer combinatorial libraries for multiple simultaneous chiral separations. <i>Analytical Communications</i> , 1998, 35, 285-287.	2.2	33
63	The influence of a methyl substituent on molecularly imprinted polymer morphology and recognition of Acrylic acid versus methacrylic acid. <i>European Polymer Journal</i> , 2017, 92, 137-149.	5.4	33
64	Phage viability in organic media: insights into phage stability. , 1998, 11, 91-93.		32
65	Palladium Catalyzed Vinyltrifluoromethylation of Aryl Halides through Decarboxylative Cross-Coupling with 2-(Trifluoromethyl)acrylic Acid. <i>Organic Letters</i> , 2015, 17, 1874-1877.	4.6	32
66	A k-nearest neighbor classification of hERG K <sup>+</sup> channel blockers. <i>Journal of Computer-Aided Molecular Design</i> , 2016, 30, 229-236.	2.9	32
67	The Use of Computational Methods for the Development of Molecularly Imprinted Polymers. <i>Polymers</i> , 2021, 13, 2841.	4.5	32
68	Urea-Based Imprinted Polymer Hosts with Switchable Anion Preference. <i>Journal of the American Chemical Society</i> , 2020, 142, 11404-11416.	13.7	31
69	Enantioselective solid-phase extraction using Tröger's base molecularly imprinted polymers. <i>Analytica Chimica Acta</i> , 2001, 435, 115-120.	5.4	30
70	A Class II Aldolase Mimic. <i>Journal of Organic Chemistry</i> , 2006, 71, 4845-4853.	3.2	28
71	<i>Escherichia coli</i> mar and acrAB Mutants Display No Tolerance to Simple Alcohols. <i>International Journal of Molecular Sciences</i> , 2010, 11, 1403-1412.	4.1	28
72	Monoprotected $\alpha$ -Amino Acid (MPAA), Accelerated Bromination, Chlorination, and Iodination of C <sup>2</sup> -H Bonds by Iridium(III) Catalysis. <i>Chemistry - A European Journal</i> , 2017, 23, 7031-7036.	3.3	28

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73	Consequences of Morphology on Molecularly Imprinted Polymer-Ligand Recognition. <i>International Journal of Molecular Sciences</i> , 2013, 14, 1207-1217.	4.1	27
74	Diffusion Dynamics of Motor-Driven Transport: Gradient Production and Self-Organization of Surfaces. <i>Langmuir</i> , 2008, 24, 13509-13517.	3.5	26
75	Effect of the cross-linker on the general performance and temperature dependent behaviour of a molecularly imprinted polymer catalyst of a Diels-Alder reaction. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2011, 72, 199-205.	1.8	26
76	Theoretical Studies of 17- $\beta$ -Estradiol-Imprinted Prepolymerization Mixtures: Insights Concerning the Roles of Cross-Linking and Functional Monomers in Template Complexation and Polymerization. <i>Industrial &amp; Engineering Chemistry Research</i> , 2013, 52, 13965-13970.	3.7	26
77	Electrochemically synthesized molecularly imprinted polythiophene nanostructures as recognition elements for an aspirin-chemosensor. <i>Sensors and Actuators B: Chemical</i> , 2017, 253, 428-436.	7.8	26
78	Synthetic Human Serum Albumin Sudlow I Binding Site Mimics. <i>Journal of Medicinal Chemistry</i> , 2010, 53, 7932-7937.	6.4	25
79	A Functional Monomer Is Not Enough: Principal Component Analysis of the Influence of Template Complexation in Pre-Polymerization Mixtures on Imprinted Polymer Recognition and Morphology. <i>International Journal of Molecular Sciences</i> , 2014, 15, 20572-20584.	4.1	24
80	Molecular dynamics approaches to the design and synthesis of PCB targeting molecularly imprinted polymers: interference to monomer-template interactions in imprinting of 1,2,3-trichlorobenzene. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 844-853.	2.8	24
81	Molecular Imprinting: The Current Status and Future Development of Polymer-Based Recognition Systems. <i>Advances in Molecular and Cell Biology</i> , 1996, 15, 651-670.	0.1	23
82	Acute Toxicity-Supported Chronic Toxicity Prediction: A k-Nearest Neighbor Coupled Read-Across Strategy. <i>International Journal of Molecular Sciences</i> , 2015, 16, 11659-11677.	4.1	23
83	Study of the Interaction of Trastuzumab and SKOV3 Epithelial Cancer Cells Using a Quartz Crystal Microbalance Sensor. <i>Sensors</i> , 2015, 15, 5884-5894.	3.8	23
84	Polymer synthesis in non-ionic deep eutectic solvents. <i>Polymer Chemistry</i> , 2019, 10, 5289-5295.	3.9	23
85	Improved Solvothermal Synthesis of $\gamma$ -Fe <sub>2</sub> O <sub>3</sub> Magnetic Nanoparticles for SiO <sub>2</sub> Coating. <i>Nanomaterials</i> , 2021, 11, 1889.	4.1	23
86	Towards a "nano-traffic" system powered by molecular motors. <i>Microelectronic Engineering</i> , 2003, 67-68, 899-904.	2.4	22
87	Dielectric constants are not enough: Principal component analysis of the influence of solvent properties on molecularly imprinted polymer-ligand rebinding. <i>Biosensors and Bioelectronics</i> , 2009, 25, 553-557.	10.1	22
88	Warfarin: an environment-dependent switchable molecular probe. <i>Journal of Molecular Recognition</i> , 2010, 23, 604-608.	2.1	22
89	In silico screening of molecular imprinting prepolymerization systems: oseltamivir selective polymers through full-system molecular dynamics-based studies. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 4210-4219.	2.8	22
90	The Role of Functional Monomer-Template Complexation on the Performance of Atrazine Molecularly Imprinted Polymers. <i>Analytical Letters</i> , 2005, 38, 57-69.	1.8	21

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91	Guiding Molecular Motors with Nano-Imprinted Structures. <i>Japanese Journal of Applied Physics</i> , 2005, 44, 3337-3340.	1.5	21
92	Reciprocal relationship between contact and complement system activation on artificial polymers exposed to whole human blood. <i>Biomaterials</i> , 2016, 77, 111-119.	11.4	21
93	Enantioselective Tröger's Base Synthetic Receptors. <i>Bioorganic Chemistry</i> , 1999, 27, 363-371.	4.1	20
94	Some recent developments in the preparation of novel recognition systems: A recognition site for the selective catalysis of an aldol condensation using molecular imprinting and specific affinity motifs for L-chymotrypsin using a phage display peptide libr. , 1996, 9, 652-657.		19
95	Heparin molecularly imprinted surfaces for the attenuation of complement activation in blood. <i>Biomaterials Science</i> , 2015, 3, 1208-1217.	5.4	19
96	Hydrogen bond diversity in the pre-polymerization stage contributes to morphology and MIP-template recognition – MAA versus MMA. <i>European Polymer Journal</i> , 2015, 66, 558-568.	5.4	19
97	Stereoselective reduction of menthone by molecularly imprinted polymers. <i>Tetrahedron: Asymmetry</i> , 2004, 15, 2431-2436.	1.8	18
98	Probing the limits of molecular imprinting: strategies with a template of limited size and functionality. <i>Journal of Molecular Recognition</i> , 2009, 22, 18-25.	2.1	18
99	Theoretical and Computational Strategies for the Study of the Molecular Imprinting Process and Polymer Performance. <i>Advances in Biochemical Engineering/Biotechnology</i> , 2015, 150, 25-50.	1.1	18
100	Cobalt-Catalyzed Oxidative Annulation of Benzothiophene- <i>b</i> -1,1-dioxide through Diastereoselective Double C-H Activation. <i>Organic Letters</i> , 2019, 21, 9806-9811.	4.6	18
101	On the Role of Electrostatic Interactions in the Enantioselective Recognition of Phenylalanine in Molecularly Imprinted Polymers Incorporating $\beta$ -Cyclodextrin. <i>Polymer Journal</i> , 2005, 37, 793-796.	2.7	17
102	An Artificial Estrogen Receptor through Combinatorial Imprinting. <i>Chemistry - A European Journal</i> , 2012, 18, 14773-14783.	3.3	17
103	How Warfarin's Structural Diversity Influences Its Phospholipid Bilayer Membrane Permeation. <i>Journal of Physical Chemistry B</i> , 2013, 117, 2384-2395.	2.6	17
104	Copper catalysed amidation of aryl halides through chelation assistance. <i>Chemical Communications</i> , 2015, 51, 4834-4837.	4.1	17
105	Non-Ionic Deep Eutectic Liquids: Acetamide-Urea Derived Room Temperature Solvents. <i>International Journal of Molecular Sciences</i> , 2019, 20, 2857.	4.1	17
106	Molecular Insights on the Two Fluorescence Lifetimes Displayed by Warfarin from Fluorescence Anisotropy and Molecular Dynamics Studies. <i>Journal of Physical Chemistry B</i> , 2009, 113, 7945-7949.	2.6	16
107	Synthesis and ligand recognition of paracetamol selective polymers: semi-covalent versus non-covalent molecular imprinting. <i>Organic and Biomolecular Chemistry</i> , 2009, 7, 3148.	2.8	16
108	Hierarchical Thin Film Architectures for Enhanced Sensor Performance: Liquid Crystal-Mediated Electrochemical Synthesis of Nanostructured Imprinted Polymer Films for the Selective Recognition of Bupivacaine. <i>Biosensors</i> , 2014, 4, 90-110.	4.7	16

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109	The mechanistic basis for warfarin's structural diversity and implications for its bioavailability. <i>Computational and Theoretical Chemistry</i> , 2010, 958, 7-9.	1.5	15
110	Enantioselective synthetic thalidomide receptors based upon DNA binding motifs. <i>Organic and Biomolecular Chemistry</i> , 2004, 2, 3374.	2.8	14
111	Monitoring the Distribution of Warfarin in Blood Plasma. <i>ACS Medicinal Chemistry Letters</i> , 2012, 3, 650-652.	2.8	14
112	Biotin selective polymer nano-films. <i>Journal of Nanobiotechnology</i> , 2014, 12, 8.	9.1	14
113	Synthesis, NMR conformational studies and host-guest behaviour of new (+)-tartaric acid derivatives. <i>Tetrahedron: Asymmetry</i> , 2005, 16, 635-640.	1.8	13
114	Biotinyl moiety-selective polymer films with highly ordered macropores. <i>Chemical Communications</i> , 2013, 49, 5274.	4.1	13
115	A historical perspective of the development of molecular imprinting. <i>Techniques and Instrumentation in Analytical Chemistry</i> , 2001, 23, 1-19.	0.0	12
116	Affinity Capillary Electrochromatography of Molecularly Imprinted Thin Layers Grafted onto Silica Capillaries Using a Surface-Bound Azo-Initiator and Living Polymerization. <i>Polymers</i> , 2018, 10, 192.	4.5	12
117	Tandem Iridium-Catalyzed Decarbonylative C-H Activation of Indole: Sacrificial Electron-Rich Ketone-Assisted Bis-arylsulfonylation. <i>Organic Letters</i> , 2021, 23, 3331-3336.	4.6	12
118	Antibody Mimics Obtained by Noncovalent Molecular Imprinting. <i>ACS Symposium Series</i> , 1995, , 89-96.	0.5	11
119	Towards a synthetic avidin mimic. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 400, 1397-1404.	3.7	11
120	Simulation of imprinted emulsion prepolymerization mixtures. <i>Polymer Journal</i> , 2015, 47, 827-830.	2.7	11
121	Novel chiral recognition elements for molecularly imprinted polymer preparation. , 1998, 11, 87-90.		10
122	In situ detection of warfarin using time-correlated single-photon counting. <i>Biochemical and Biophysical Research Communications</i> , 2011, 407, 60-62.	2.1	10
123	Comparison of theoretical and experimental models for characterizing solvent properties using reversed phase liquid chromatography. <i>Analytica Chimica Acta</i> , 2011, 702, 37-44.	5.4	10
124	Rhodium-Catalyzed Oxidative Perfluoroalkenylation by Carbonyl Group Directed C-H Bond Activation. <i>European Journal of Organic Chemistry</i> , 2014, 2014, 7211-7219.	2.4	10
125	Discrimination between sialic acid linkage modes using sialyllactose-imprinted polymers. <i>RSC Advances</i> , 2021, 11, 22409-22418.	3.6	10
126	An Approach Toward the Semiquantitation of Molecular Recognition Phenomena in Noncovalent Molecularly Imprinted Polymer Systems: Consequences for Molecularly Imprinted Polymer Design. <i>Advances in Molecular and Cell Biology</i> , 1996, 15, 671-679.	0.1	9



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127	A Phage Display Screening Derived Peptide with Affinity for the Adenyl Moiey. <i>Biosensors</i> , 2014, 4, 137-149.	4.7	9
128	Rhodium(III)-catalysed, redox-neutral C(sp <sup>2</sup> )-H alkenylation using pivalimide as a directing group with internal alkynes. <i>Tetrahedron Letters</i> , 2017, 58, 1-4.	1.4	9
129	Selective Sensing of the Biotinyl Moiey Using Molecularly Imprinted Polyaniline Nanowires. <i>Journal of the Electrochemical Society</i> , 2018, 165, B669-B678.	2.9	9
130	Synthesis and Conformational Analysis of the Slime-Mold Acrasin Glorin. <i>Australian Journal of Chemistry</i> , 1989, 42, 2171.	0.9	8
131	Enantioselective hyperporous molecularly imprinted thin film polymers. <i>RSC Advances</i> , 2019, 9, 33653-33656.	3.6	8
132	A conformationally isoformic thermophilic protein with high kinetic unfolding barriers. <i>Cellular and Molecular Life Sciences</i> , 2008, 65, 827-839.	5.4	7
133	Preparation, characterization and application of a stationary chromatographic phase from a new (+)-tartaric acid derivative. <i>Tetrahedron Letters</i> , 2010, 51, 2258-2261.	1.4	7
134	Highly Efficient Synthesis and Assay of Protein-Imprinted Nanogels by Using Magnetic Templates. <i>Angewandte Chemie</i> , 2019, 131, 737-740.	2.0	7
135	Towards Peptide and Protein Recognition by Antibody Mimicking Synthetic Polymers – Background, State of the Art, and Future Outlook. <i>Australian Journal of Chemistry</i> , 2020, 73, 300.	0.9	7
136	Molecular recognition in aqueous solution: an estimate of the intrinsic binding energy of an amide-hydroxy hydrogen bond. <i>Journal of the Chemical Society Chemical Communications</i> , 1991,, 1295-1297.	2.0	6
137	Design, Synthesis, and Opioid Receptor Binding of Some Novel Benzazepine Constrained Leucine Enkephalin Mimetics. <i>Bioorganic Chemistry</i> , 1994, 22, 300-317.	4.1	6
138	Influence of Water Miscible Organic Solvents on Î±-chymotrypsin in Solution and Immobilized on Eupergit CM. <i>Biotechnology Letters</i> , 2006, 28, 929-935.	2.2	6
139	International Journal of Molecular Science Best Paper Award 2014. <i>International Journal of Molecular Sciences</i> , 2014, 15, 1683-1685.	4.1	6
140	Hierarchical polymeric architectures through molecular imprinting in liquid crystalline environments. <i>European Polymer Journal</i> , 2018, 106, 223-231.	5.4	6
141	Phage display screening in low dielectric media. <i>Journal of Molecular Recognition</i> , 2008, 21, 330-337.	2.1	5
142	Thermodynamic principles underlying molecularly imprinted polymer formulation and ligand recognition. <i>Techniques and Instrumentation in Analytical Chemistry</i> , 2001, 23, 59-70.	0.0	4
143	Molecularly Imprinted Chitosan-Based Thin Films with Selectivity for Nicotine Derivatives for Application as a Bio-Sensor and Filter. <i>Polymers</i> , 2021, 13, 3363.	4.5	4
144	Oxytocin-Selective Nanogel Antibody Mimics. <i>International Journal of Molecular Sciences</i> , 2022, 23, 2534.	4.1	4

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145	NMR and Molecular Modeling-Based Conformational Analysis of Some N-Alkyl 1- and 2-Benzazepinones: Useful Central Nervous System Agent Design Motifs. <i>Biochemical and Biophysical Research Communications</i> , 1994, 205, 98-104.	2.1	3
146	Computational and structural studies on the complexation of cobalt(II) acetate by water and pyridine. <i>Journal of Molecular Structure</i> , 2012, 1007, 45-51.	3.6	3
147	Experimental and Theoretical Studies in the EU FP7 Marie Curie Initial Training Network Project, Environmental ChemOinformatics (ECO). <i>ATLA Alternatives To Laboratory Animals</i> , 2014, 42, 7-11.	1.0	3
148	CHAPTER 7. Theoretical and Computational Strategies in Molecularly Imprinted Polymer Development. <i>RSC Polymer Chemistry Series</i> , 2018, , 197-226.	0.2	2
149	Making nanostructured materials from maize, milk and malacostraca. <i>Scientific Reports</i> , 2021, 11, 24420.	3.3	2
150	Central nervous system receptor binding profiles of some 2-amino-4-phenyl quinolines: A novel class of $\alpha$ 2-adrenoceptor selective ligands. <i>Life Sciences</i> , 1993, 53, PL343-PL347.	4.3	1
151	Molecular Recognition: An Introduction. <i>Advances in Molecular and Cell Biology</i> , 1996, 15, 621-622.	0.1	1
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