Matthias Rarey

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

142
papers9,464
citations42
h-index96
g-index159
ext. papers10,865
ext. citations6
avg, IF6.27
L-index

#	Paper	IF	Citations
142	Analyzing Structural Features of Proteins from Deep-Sea Organisms <i>Proteins: Structure, Function and Bioinformatics</i> , 2022 ,	4.2	1
141	X-ray screening identifies active site and allosteric inhibitors of SARS-CoV-2 main protease. <i>Science</i> , 2021 , 372, 642-646	33.3	95
140	LSLOpt: An open-source implementation of the step-length controlled LSL-BFGS algorithm. <i>Journal of Computational Chemistry</i> , 2021 , 42, 1095-1100	3.5	O
139	GeoMine: interactive pattern mining of protein-ligand interfaces in the Protein Data Bank. <i>Bioinformatics</i> , 2021 , 37, 424-425	7.2	2
138	Topological Similarity Search in Large Combinatorial Fragment Spaces. <i>Journal of Chemical Information and Modeling</i> , 2021 , 61, 238-251	6.1	5
137	Disconnected Maximum Common Substructures under Constraints. <i>Journal of Chemical Information and Modeling</i> , 2021 , 61, 167-178	6.1	4
136	Maximum Common Substructure Searching in Combinatorial Make-on-Demand Compound Spaces. Journal of Chemical Information and Modeling, 2021,	6.1	4
135	SMARTS.plus - A Toolbox for Chemical Pattern Design. <i>Molecular Informatics</i> , 2020 , 39, e2000216	3.8	2
134	A Consistent Scheme for Gradient-Based Optimization of ProteinLigand Poses. <i>Journal of Chemical Information and Modeling</i> , 2020 , 60, 6502-6522	6.1	8
133	Shape-Based Descriptors for Efficient Structure-Based Fragment Growing. <i>Journal of Chemical Information and Modeling</i> , 2020 , 60, 6269-6281	6.1	1
132	ProteinsPlus: interactive analysis of protein-ligand binding interfaces. <i>Nucleic Acids Research</i> , 2020 , 48, W48-W53	20.1	37
131	Comparing Molecular Patterns Using the Example of SMARTS: Theory and Algorithms. <i>Journal of Chemical Information and Modeling</i> , 2019 , 59, 2560-2571	6.1	14
130	Comparing Molecular Patterns Using the Example of SMARTS: Applications and Filter Collection Analysis. <i>Journal of Chemical Information and Modeling</i> , 2019 , 59, 2572-2586	6.1	7
129	In Need of Bias Control: Evaluating Chemical Data for Machine Learning in Structure-Based Virtual Screening. <i>Journal of Chemical Information and Modeling</i> , 2019 , 59, 947-961	6.1	104
128	Machine Learning in Drug Discovery. Journal of Chemical Information and Modeling, 2019, 59, 945-946	6.1	24
127	Conformator: A Novel Method for the Generation of Conformer Ensembles. <i>Journal of Chemical Information and Modeling</i> , 2019 , 59, 731-742	6.1	26
126	StructureProfiler: an all-in-one tool for 3D protein structure profiling. <i>Bioinformatics</i> , 2019 , 35, 874-876	7.2	2

125	Connected Subgraph Fingerprints: Representing Molecules Using Exhaustive Subgraph Enumeration. <i>Journal of Chemical Information and Modeling</i> , 2019 , 59, 4625-4635	6.1	3
124	NAOMInext - Synthetically feasible fragment growing in a structure-based design context. <i>European Journal of Medicinal Chemistry</i> , 2019 , 163, 747-762	6.8	4
123	Prediction, Analysis, and Comparison of Active Sites 2018 , 283-311		1
122	Structure-Based Virtual Screening 2018 , 313-331		3
121	Placement of Water Molecules in Protein Structures: From Large-Scale Evaluations to Single-Case Examples. <i>Journal of Chemical Information and Modeling</i> , 2018 , 58, 1625-1637	6.1	22
120	Exploring Structure-Activity Relationships with Three-Dimensional Matched Molecular Pairs-A Review. <i>ChemMedChem</i> , 2018 , 13, 482-489	3.7	6
119	RingDecomposerLib: An Open-Source Implementation of Unique Ring Families and Other Cycle Bases. <i>Journal of Chemical Information and Modeling</i> , 2017 , 57, 122-126	6.1	6
118	Index-Based Searching of Interaction Patterns in Large Collections of Protein-Ligand Interfaces. <i>Journal of Chemical Information and Modeling</i> , 2017 , 57, 148-158	6.1	10
117	High-Quality Dataset of Protein-Bound Ligand Conformations and Its Application to Benchmarking Conformer Ensemble Generators. <i>Journal of Chemical Information and Modeling</i> , 2017 , 57, 529-539	6.1	39
116	Large-Scale Analysis of Hydrogen Bond Interaction Patterns in Protein-Ligand Interfaces. <i>Journal of Medicinal Chemistry</i> , 2017 , 60, 4245-4257	8.3	35
115	Prediction of protein mutation effects based on dehydration and hydrogen bonding - A large-scale study. <i>Proteins: Structure, Function and Bioinformatics</i> , 2017 , 85, 1550-1566	4.2	
114	Ligand-based virtual screening under partial shape constraints. <i>Journal of Computer-Aided Molecular Design</i> , 2017 , 31, 335-347	4.2	5
113	Benchmarking Commercial Conformer Ensemble Generators. <i>Journal of Chemical Information and Modeling</i> , 2017 , 57, 2719-2728	6.1	51
112	Computational Macrocyclization: From de novo Macrocycle Generation to Binding Affinity Estimation. <i>ChemMedChem</i> , 2017 , 12, 1866-1872	3.7	19
111	Estimating Electron Density Support for Individual Atoms and Molecular Fragments in X-ray Structures. <i>Journal of Chemical Information and Modeling</i> , 2017 , 57, 2437-2447	6.1	41
110	NAOMInova: Interactive Geometric Analysis of Noncovalent Interactions in Macromolecular Structures. <i>Journal of Chemical Information and Modeling</i> , 2017 , 57, 2132-2142	6.1	3
109	From cheminformatics to structure-based design: Web services and desktop applications based on the NAOMI library. <i>Journal of Biotechnology</i> , 2017 , 261, 207-214	3.7	2
108	ProteinsPlus: a web portal for structure analysis of macromolecules. <i>Nucleic Acids Research</i> , 2017 , 45, W337-W343	20.1	80

107	mRAISE: an alternative algorithmic approach to ligand-based virtual screening. <i>Journal of Computer-Aided Molecular Design</i> , 2016 , 30, 583-94	4.2	9
106	Supporting Biocatalysis Research with Structural Bioinformatics 2016 , 71-100		1
105	FSees: Customized Enumeration of Chemical Subspaces with Limited Main Memory Consumption. Journal of Chemical Information and Modeling, 2016 , 56, 1641-53	6.1	6
104	11th German Conference on Chemoinformatics (GCC 2015): Fulda, Germany. 8-10 November 2015. Journal of Cheminformatics, 2016 , 8, 18	8.6	
103	Linker-Region Modified Derivatives of the Deoxyhypusine Synthase Inhibitor CNI-1493 Suppress HIV-1 Replication. <i>Archiv Der Pharmazie</i> , 2016 , 349, 91-103	4.3	4
102	SIENA: Efficient Compilation of Selective Protein Binding Site Ensembles. <i>Journal of Chemical Information and Modeling</i> , 2016 , 56, 248-59	6.1	27
101	Feasibility of Active Machine Learning for Multiclass Compound Classification. <i>Journal of Chemical Information and Modeling</i> , 2016 , 56, 12-20	6.1	30
100	Torsion Library Reloaded: A New Version of Expert-Derived SMARTS Rules for Assessing Conformations of Small Molecules. <i>Journal of Chemical Information and Modeling</i> , 2016 , 56, 1-5	6.1	25
99	The Art of Compiling Protein Binding Site Ensembles. <i>Molecular Informatics</i> , 2016 , 35, 593-598	3.8	4
98	UNICON: A Powerful and Easy-to-Use Compound Library Converter. <i>Journal of Chemical Information and Modeling</i> , 2016 , 56, 1105-11	6.1	16
97	ASCONA: Rapid Detection and Alignment of Protein Binding Site Conformations. <i>Journal of Chemical Information and Modeling</i> , 2015 , 55, 1747-56	6.1	11
96	Evidence of water moleculesa statistical evaluation of water molecules based on electron density. Journal of Chemical Information and Modeling, 2015 , 55, 771-83	6.1	40
95	MONA 2: A Light Cheminformatics Platform for Interactive Compound Library Processing. <i>Journal of Chemical Information and Modeling</i> , 2015 , 55, 2071-8	6.1	22
94	Discriminative Chemical Patterns: Automatic and Interactive Design. <i>Journal of Chemical Information and Modeling</i> , 2015 , 55, 1535-46	6.1	10
93	In silico design, synthesis, and screening of novel deoxyhypusine synthase inhibitors targeting HIV-1 replication. <i>ChemMedChem</i> , 2014 , 9, 940-52	3.7	8
92	Facing the challenges of structure-based target prediction by inverse virtual screening. <i>Journal of Chemical Information and Modeling</i> , 2014 , 54, 1676-86	6.1	56
91	The valence state combination model: a generic framework for handling tautomers and protonation states. <i>Journal of Chemical Information and Modeling</i> , 2014 , 54, 756-66	6.1	14
90	An integrated approach to knowledge-driven structure-based virtual screening. <i>Journal of Computer-Aided Molecular Design</i> , 2014 , 28, 927-39	4.2	7

(2013-2014)

89	Elucidating protein-protein interactions using the HYDE scoring function. <i>Journal of Cheminformatics</i> , 2014 , 6,	8.6	78
88	Accessing Open PHACTS: interactive exploration of compounds and targets from the semantic web. <i>Journal of Cheminformatics</i> , 2014 , 6,	8.6	78
87	Protein Igand interaction databases: advanced tools to mine activity data and interactions on a structural level. Wiley Interdisciplinary Reviews: Computational Molecular Science, 2014, 4, 562-575	7.9	8
86	Benchmark data sets for structure-based computational target prediction. <i>Journal of Chemical Information and Modeling</i> , 2014 , 54, 2261-74	6.1	17
85	Exploiting structural information for drug-target assessment. Future Medicinal Chemistry, 2014, 6, 319-	314.1	19
84	Protoss: a holistic approach to predict tautomers and protonation states in protein-ligand complexes. <i>Journal of Cheminformatics</i> , 2014 , 6, 12	8.6	98
83	Force-field-based minimizations of protein-ligand complexes in the blink of an eye. <i>Journal of Cheminformatics</i> , 2013 , 5,	8.6	78
82	Visualisierung komplexer, molekularer Zusammenhfige. <i>BioSpektrum</i> , 2013 , 19, 146-148	0.1	
81	Interactive design of generic chemical patterns. <i>Drug Discovery Today</i> , 2013 , 18, 651-8	8.8	12
80	Coping with Combinatorial Space in Molecular Design 2013 , 325-347		3
80 79	Coping with Combinatorial Space in Molecular Design 2013 , 325-347 CONFECT: conformations from an expert collection of torsion patterns. <i>ChemMedChem</i> , 2013 , 8, 1690-	790 ,	3
79	CONFECT: conformations from an expert collection of torsion patterns. <i>ChemMedChem</i> , 2013 , 8, 1690- A consistent description of HYdrogen bond and DEhydration energies in protein-ligand complexes:		21
79 78	CONFECT: conformations from an expert collection of torsion patterns. <i>ChemMedChem</i> , 2013 , 8, 1690-A consistent description of HYdrogen bond and DEhydration energies in protein-ligand complexes: methods behind the HYDE scoring function. <i>Journal of Computer-Aided Molecular Design</i> , 2013 , 27, 15-2 Reading PDB: perception of molecules from 3D atomic coordinates. <i>Journal of Chemical Information</i>	29 ^{4.2}	21 158
79 78 77	CONFECT: conformations from an expert collection of torsion patterns. <i>ChemMedChem</i> , 2013 , 8, 1690- A consistent description of HYdrogen bond and DEhydration energies in protein-ligand complexes: methods behind the HYDE scoring function. <i>Journal of Computer-Aided Molecular Design</i> , 2013 , 27, 15-2 Reading PDB: perception of molecules from 3D atomic coordinates. <i>Journal of Chemical Information and Modeling</i> , 2013 , 53, 76-87 Predicting enzymatic function from global binding site descriptors. <i>Proteins: Structure, Function and</i>	6.1	21 158 19
79 78 77 76	CONFECT: conformations from an expert collection of torsion patterns. <i>ChemMedChem</i> , 2013 , 8, 1690- A consistent description of HYdrogen bond and DEhydration energies in protein-ligand complexes: methods behind the HYDE scoring function. <i>Journal of Computer-Aided Molecular Design</i> , 2013 , 27, 15-2 Reading PDB: perception of molecules from 3D atomic coordinates. <i>Journal of Chemical Information and Modeling</i> , 2013 , 53, 76-87 Predicting enzymatic function from global binding site descriptors. <i>Proteins: Structure, Function and Bioinformatics</i> , 2013 , 81, 479-89 Torsion angle preferences in druglike chemical space: a comprehensive guide. <i>Journal of Medicinal</i>	6.1	21 158 19
79 78 77 76 75	CONFECT: conformations from an expert collection of torsion patterns. <i>ChemMedChem</i> , 2013 , 8, 1690-A consistent description of HYdrogen bond and DEhydration energies in protein-ligand complexes: methods behind the HYDE scoring function. <i>Journal of Computer-Aided Molecular Design</i> , 2013 , 27, 15-22 Reading PDB: perception of molecules from 3D atomic coordinates. <i>Journal of Chemical Information and Modeling</i> , 2013 , 53, 76-87 Predicting enzymatic function from global binding site descriptors. <i>Proteins: Structure, Function and Bioinformatics</i> , 2013 , 81, 479-89 Torsion angle preferences in druglike chemical space: a comprehensive guide. <i>Journal of Medicinal Chemistry</i> , 2013 , 56, 2016-28 Fast protein binding site comparison via an index-based screening technology. <i>Journal of Chemical</i>	6.1	21 158 19 11 83

71	Scientific competency questions as the basis for semantically enriched open pharmacological space development. <i>Drug Discovery Today</i> , 2013 , 18, 843-52	8.8	40
70	MONA - Interactive manipulation of molecule collections. <i>Journal of Cheminformatics</i> , 2013 , 5, 38	8.6	20
69	A flexible-hydrogen interaction model for protein-ligand docking. <i>Journal of Cheminformatics</i> , 2012 , 4,	8.6	78
68	Some thoughts on the "A" in computer-aided molecular design. <i>Journal of Computer-Aided Molecular Design</i> , 2012 , 26, 113-4	4.2	1
67	TFD: Torsion Fingerprints as a new measure to compare small molecule conformations. <i>Journal of Chemical Information and Modeling</i> , 2012 , 52, 1499-512	6.1	27
66	Perspectives from Medicinal Chemistry 2012 , 217-230		2
65	Searching for substructures in fragment spaces. <i>Journal of Chemical Information and Modeling</i> , 2012 , 52, 3181-9	6.1	5
64	Computational biotechnology: prediction of competitive substrate inhibition of enzymes by buffer compounds with protein-ligand docking. <i>Journal of Biotechnology</i> , 2012 , 161, 391-401	3.7	12
63	Evaluation of deoxyhypusine synthase inhibitors targeting BCR-ABL positive leukemias. <i>Investigational New Drugs</i> , 2012 , 30, 2274-83	4.3	9
62	Design of combinatorial libraries for the exploration of virtual hits from fragment space searches with LoFT. <i>Journal of Chemical Information and Modeling</i> , 2012 , 52, 373-9	6.1	7
61	Fast force field-based optimization of protein-ligand complexes with graphics processor. <i>Journal of Computational Chemistry</i> , 2012 , 33, 2554-65	3.5	11
60	The Internet as Scientific Knowledge Base: Navigating the Chem-Bio Space. <i>Molecular Informatics</i> , 2012 , 31, 543-546	3.8	4
59	Combining global and local measures for structure-based druggability predictions. <i>Journal of Chemical Information and Modeling</i> , 2012 , 52, 360-72	6.1	237
58	Unique ring families: a chemically meaningful description of molecular ring topologies. <i>Journal of Chemical Information and Modeling</i> , 2012 , 52, 2013-21	6.1	16
57	Systematic benchmark of substructure search in molecular graphs - From Ullmann to VF2. <i>Journal of Cheminformatics</i> , 2012 , 4, 13	8.6	23
56	Nearly no Scoring Function Without a Hansch-Analysis. <i>Molecular Informatics</i> , 2012 , 31, 503-7	3.8	3
55	Substantial improvements in large-scale redocking and screening using the novel HYDE scoring function. <i>Journal of Computer-Aided Molecular Design</i> , 2012 , 26, 701-23	4.2	84
54	DoGSiteScorer: a web server for automatic binding site prediction, analysis and druggability assessment. <i>Bioinformatics</i> , 2012 , 28, 2074-5	7.2	231

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53	Improving similarity-driven library design: customized matching and regioselective feature trees. <i>Journal of Chemical Information and Modeling</i> , 2011 , 51, 2156-63	6.1	4
52	NAOMI: on the almost trivial task of reading molecules from different file formats. <i>Journal of Chemical Information and Modeling</i> , 2011 , 51, 3199-207	6.1	39
51	Maximum common subgraph isomorphism algorithms and their applications in molecular science: a review. Wiley Interdisciplinary Reviews: Computational Molecular Science, 2011, 1, 68-79	7.9	50
50	De novo design by pharmacophore-based searches in fragment spaces. <i>Journal of Computer-Aided Molecular Design</i> , 2011 , 25, 931-45	4.2	13
49	Consistent two-dimensional visualization of protein-ligand complex series. <i>Journal of Cheminformatics</i> , 2011 , 3, 21	8.6	5
48	Flat and Easy: 2D Depiction of Protein-Ligand Complexes. <i>Molecular Informatics</i> , 2011 , 30, 12-9	3.8	3
47	From activity cliffs to target-specific scoring models and pharmacophore hypotheses. <i>ChemMedChem</i> , 2011 , 6, 1630-9, 1533	3.7	39
46	LoFT: similarity-driven multiobjective focused library design. <i>Journal of Chemical Information and Modeling</i> , 2010 , 50, 1-21	6.1	34
45	Analyzing the topology of active sites: on the prediction of pockets and subpockets. <i>Journal of Chemical Information and Modeling</i> , 2010 , 50, 2041-52	6.1	111
44	From structure diagrams to visual chemical patterns. <i>Journal of Chemical Information and Modeling</i> , 2010 , 50, 1529-35	6.1	43
43	Drawing the PDB: Protein-Ligand Complexes in Two Dimensions. <i>ACS Medicinal Chemistry Letters</i> , 2010 , 1, 540-5	4.3	192
42	In Pursuit of Fully Flexible Protein-Ligand Docking: Modeling the Bilateral Mechanism of Binding. <i>Molecular Informatics</i> , 2010 , 29, 164-73	3.8	17
41	PoseView molecular interaction patterns at a glance. Journal of Cheminformatics, 2010, 2,	8.6	44
40	Second-generation de novo design: a view from a medicinal chemist perspective. <i>Journal of Computer-Aided Molecular Design</i> , 2009 , 23, 593-602	4.2	25
39	Fast automated placement of polar hydrogen atoms in protein-ligand complexes. <i>Journal of Cheminformatics</i> , 2009 , 1, 13	8.6	35
38	Conformational sampling for large-scale virtual screening: accuracy versus ensemble size. <i>Journal of Chemical Information and Modeling</i> , 2009 , 49, 2303-11	6.1	26
37	Beyond the virtual screening paradigm: structure-based searching for new lead compounds. <i>Journal of Chemical Information and Modeling</i> , 2009 , 49, 800-9	6.1	29
36	Modeling of metal interaction geometries for protein-ligand docking. <i>Proteins: Structure, Function and Bioinformatics</i> , 2008 , 71, 1237-54	4.2	50

35	Towards an integrated description of hydrogen bonding and dehydration: decreasing false positives in virtual screening with the HYDE scoring function. <i>ChemMedChem</i> , 2008 , 3, 885-97	3.7	122
34	On the art of compiling and using \(\text{drug-like}\) themical fragment spaces. \(\text{ChemMedChem}, \(\text{2008}, 3, 1503-7 \)	3.7	121
33	SwiFT: an index structure for reduced graph descriptors in virtual screening and clustering. <i>Journal of Chemical Information and Modeling</i> , 2007 , 47, 1341-53	6.1	10
32	From modeling to medicinal chemistry: automatic generation of two-dimensional complex diagrams. <i>ChemMedChem</i> , 2007 , 2, 853-60	3.7	61
31	TrixX: structure-based molecule indexing for large-scale virtual screening in sublinear time. <i>Journal of Computer-Aided Molecular Design</i> , 2007 , 21, 223-38	4.2	17
30	Exploring fragment spaces under multiple physicochemical constraints. <i>Journal of Computer-Aided Molecular Design</i> , 2007 , 21, 327-40	4.2	12
29	Recore: a fast and versatile method for scaffold hopping based on small molecule crystal structure conformations. <i>Journal of Chemical Information and Modeling</i> , 2007 , 47, 390-9	6.1	109
28	FlexNovo: structure-based searching in large fragment spaces. <i>ChemMedChem</i> , 2006 , 1, 854-68	3.7	51
27	Molecular complexes at a glance: automated generation of two-dimensional complex diagrams. <i>Bioinformatics</i> , 2006 , 22, 1710-6	7.2	224
26	Fully automated flexible docking of ligands into flexible synthetic receptors using forward and inverse docking strategies. <i>Journal of Chemical Information and Modeling</i> , 2006 , 46, 903-11	6.1	23
25	Multiple-ligand-based virtual screening: methods and applications of the MTree approach. <i>Journal of Medicinal Chemistry</i> , 2005 , 48, 6575-84	8.3	38
24	Novel technologies for virtual screening. <i>Drug Discovery Today</i> , 2004 , 9, 27-34	8.8	153
23	FlexX-Scan: fast, structure-based virtual screening. <i>Proteins: Structure, Function and Bioinformatics</i> , 2004 , 57, 504-17	4.2	55
22	Automated drawing of structural molecular formulas under constraints. <i>Journal of Chemical Information and Computer Sciences</i> , 2004 , 44, 1065-78		50
21	Flexible docking under pharmacophore type constraints. <i>Journal of Computer-Aided Molecular Design</i> , 2002 , 16, 129-49	4.2	139
20	Similarity searching in large combinatorial chemistry spaces. <i>Journal of Computer-Aided Molecular Design</i> , 2001 , 15, 497-520	4.2	104
19	Detailed analysis of scoring functions for virtual screening. <i>Journal of Medicinal Chemistry</i> , 2001 , 44, 103	8 5.4 2	451
18	FlexE: efficient molecular docking considering protein structure variations. <i>Journal of Molecular Biology</i> , 2001 , 308, 377-95	6.5	408

LIST OF PUBLICATIONS

17	Small Molecule Docking and Scoring. Reviews in Computational Chemistry, 2001, 1-60		64
16	A recursive algorithm for efficient combinatorial library docking. <i>Journal of Computer - Aided Molecular Design</i> , 2000 , 20, 63-81		29
15	The particle concept: placing discrete water molecules during protein-ligand docking predictions. <i>Proteins: Structure, Function and Bioinformatics</i> , 1999 , 34, 17-28	4.2	176
14	Evaluation of the FLEXX incremental construction algorithm for protein-ligand docking. <i>Proteins: Structure, Function and Bioinformatics</i> , 1999 , 37, 228-41	4.2	677
13	Two-stage method for protein-ligand docking. Journal of Medicinal Chemistry, 1999, 42, 4422-33	8.3	81
12	The particle concept: placing discrete water molecules during protein-ligand docking predictions 1999 , 34, 17		4
11	Evaluation of the FLEXX incremental construction algorithm for protein ligand docking 1999, 37, 228		3
10	Feature trees: a new molecular similarity measure based on tree matching. <i>Journal of Computer-Aided Molecular Design</i> , 1998 , 12, 471-90	4.2	245
9	Multiple automatic base selection: protein-ligand docking based on incremental construction without manual intervention. <i>Journal of Computer-Aided Molecular Design</i> , 1997 , 11, 369-84	4.2	156
8	CASP2 experiences with docking flexible ligands using FLEXX. <i>Proteins: Structure, Function and Bioinformatics</i> , 1997 , 29, 221-225	4.2	41
7	CASP2 experiences with docking flexible ligands using FLEXX. <i>Proteins: Structure, Function and Bioinformatics</i> , 1997 , 29, 221-225	4.2	4
6	CASP2 experiences with docking flexible ligands using FlexX. <i>Proteins: Structure, Function and Bioinformatics</i> , 1997 , Suppl 1, 221-5	4.2	14
5	A fast flexible docking method using an incremental construction algorithm. <i>Journal of Molecular Biology</i> , 1996 , 261, 470-89	6.5	2332
4	Placement of medium-sized molecular fragments into active sites of proteins. <i>Journal of Computer-Aided Molecular Design</i> , 1996 , 10, 41-54	4.2	157
3	Docking and Scoring for Structure-based Drug Design541-599		5
2	Catalytic cleavage of HEAT and subsequent covalent binding of the tetralone moiety by the SARS-CoV-2 main protease		2
1	Inhibition of SARS-CoV-2 main protease by allosteric drug-binding		6