David Goodsell

List of Publications by Year
in descending order

254 papers	47,077 citations	30070 54 h-index	1900 208 g-index
264 all docs	264 docs citations	264 times ranked	48080 citing authors

#	Article	IF	Citations
1	AutoDock4 and AutoDockTools4: Automated docking with selective receptor flexibility. Journal of Computational Chemistry, 2009, 30, 2785-2791.	3.3	16,850
2	Automated docking using a Lamarckian genetic algorithm and an empirical binding free energy function. Journal of Computational Chemistry, 1998, 19, 1639-1662.	3.3	8,897
3	A semiempirical free energy force field with charge-based desolvation. Journal of Computational Chemistry, 2007, 28, 1145-1152.	3.3	1,854
4	Computational proteinâ€“ligand docking and virtual drug screening with the AutoDock suite. Nature Protocols, 2016, 11, 905-919.	12.0	1,370
5	Automated docking of flexible ligands: Applications of autodock. Journal of Molecular Recognition, 1996, 9, 1-5.	2.1	1,284
6	Automated docking of substrates to proteins by simulated annealing. Proteins: Structure, Function and Bioinformatics, 1990, 8, 195-202.	2.6	1,109
7	RCSB Protein Data Bank: biological macromolecular structures enabling research and education in fundamental biology, biomedicine, biotechnology and energy. Nucleic Acids Research, 2019, 47, D464-D474.	14.5	918
8	RCSB Protein Data Bank: powerful new tools for exploring 3D structures of biological macromolecules for basic and applied research and education in fundamental biology, biomedicine, biotechnology, bioengineering and energy sciences. Nucleic Acids Research, 2021, 49, D437-D451.	14.5	918
9	Distributed automated docking of flexible ligands to proteins: Parallel applications of AutoDock 2.4. Journal of Computer-Aided Molecular Design, 1996, 10, 293-304.	2.9	907
10	Structural Symmetry and Protein Function. Annual Review of Biophysics and Biomolecular Structure, 2000, 29, 105-153.	18.3	806
11	Protein Data Bank: the single global archive for 3D macromolecular structure data. Nucleic Acids Research, 2019, 47, D520-D528.	14.5	671
12	OUP accepted manuscript. Nucleic Acids Research, 2017, 45, D271-D281.	14.5	619
13	The RCSB Protein Data Bank: redesigned web site and web services. Nucleic Acids Research, 2011, 39, D392-D401.	14.5	549
14	Virtual screening with AutoDock: theory and practice. Expert Opinion on Drug Discovery, 2010, 5, 597-607.	5.0	462
15	The RCSB Protein Data Bank: views of structural biology for basic and applied research and education. Nucleic Acids Research, 2015, 43, D345-D356.	14.5	461
16	Binding of an antitumor drug to DNA. Journal of Molecular Biology, 1985, 183, 553-563.	4.2	424
17	The RCSB Protein Data Bank: new resources for research and education. Nucleic Acids Research, 2012, 41, D475-D482.	14.5	418
18	Automated docking to multiple target structures: Incorporation of protein mobility and structural water heterogeneity in AutoDock. Proteins: Structure, Function and Bioinformatics, 2002, 46, 34-40.	2.6	394

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19	Inside a living cell. Trends in Biochemical Sciences, 1991, 16, 203-206.	7.5	315
20	AutoDockFR: Advances in Protein-Ligand Docking with Explicitly Specified Binding Site Flexibility. PLoS Computational Biology, 2015, 11, e1004586.	3.2	287
21	Seeing the nanoscale. Nano Today, 2006, 1, 44-49.	11.9	285
22	Bending and curvature calculations in B-DNA. Nucleic Acids Research, 1994, 22, 5497-5503.	14.5	284
23	1,2,3-Triazole as a Peptide Surrogate in the Rapid Synthesis of HIV-1 Protease Inhibitors. ChemBioChem, 2005, 6, 1167-1169.	2.6	262
24	RCSB Protein Data Bank: Enabling biomedical research and drug discovery. Protein Science, 2020, 29, 52-65.	7.6	223
25	Morphology of proteinâ€"protein interfaces. Structure, 1998, 6, 421-427.	3.3	218
26	The cAMP binding domain: An ancient signaling module. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 45-50.	7.1	190
27	Moltemplate: A Tool for Coarse-Grained Modeling of Complex Biological Matter and Soft Condensed Matter Physics. Journal of Molecular Biology, 2021, 433, 166841.	4.2	189
28	Covalent docking using autodock: Twoâ€point attractor and flexible side chain methods. Protein Science, 2016, 25, 295-301.	7.6	170
29	Isohelical analysis of DNA groove-binding drugs. Journal of Medicinal Chemistry, 1986, 29, 727-733.	6.4	162
30	Crystal structure of CATGGCCATG and its implications for A-tract bending models.. Proceedings of the National Academy of Sciences of the United States of America, 1993, 90, 2930-2934.	7.1	158
31	The Machinery of Life. , 2009, , .		156
32	The Crystal Structure of C-C-A-T-T-A-A-T-G-G. Journal of Molecular Biology, 1994, 239, 79-96.	4.2	149
33	Visualization of macromolecular structures. Nature Methods, 2010, 7, S42-S55.	19.0	137
34	Rapid Diversity-Oriented Synthesis in Microtiter Plates for In Situ Screening of HIV Protease Inhibitors. ChemBioChem, 2003, 4, 1246-1248.	2.6	134
35	Automated prediction of ligandâ€binding sites in proteins. Proteins: Structure, Function and Bioinformatics, 2008, 70, 1506-1517.	2.6	134
36	cellPACK: a virtual mesoscope to model and visualize structural systems biology. Nature Methods, 2015, 12, 85-91.	19.0	130

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37	The Effect of Crystal Packing on Oligonucleotide Double Helix Structure. Journal of Biomolecular Structure and Dynamics, 1987, 5, 557-579.	3.5	126
38	Crystal Structure of a Covalent DNA-Drug Adduct: Anthramycin Bound to C-C-A-A-C-G-T-T-G-G and a Molecular Explanation of Specificity. Biochemistry, 1994, 33, 13593-13610.	2.5	115
39	Visualizing biological dataâ€"now and in the future. Nature Methods, 2010, 7, S2-S4.	19.0	115
40	Defining GC-specificity in the minor groove: side-by-side binding of the di-imidazole lexitropsin to C-A-T-G-G-C-C-A-T-G. Structure, 1997, 5, 1033-1046.	3.3	109
41	Soluble proteins: Size, shape and function. Trends in Biochemical Sciences, 1993, 18, 65-68.	7.5	92
42	The Molecular Perspective: The <i>ras</i> Oncogene. Oncologist, 1999, 4, 263-264.	3.7	91
43	The RCSB PDB â€œMolecule of the Monthâ€: Inspiring a Molecular View of Biology. PLoS Biology, 2015, 13, e1002140.	5.6	88
44	Illustrate: Software for Biomolecular Illustration. Structure, 2019, 27, 1716-1720.e1.	3.3	87
45	Refinement of Netropsin Bound to DNA: Bias and Feedback in Electron Density Map Interpretation. Biochemistry, 1995, 34, 4983-4993.	2.5	86
46	The <scp>AutoDock</scp> suite at 30. Protein Science, 2021, 30, 31-43.	7.6	85
47	Automated docking in crystallography: Analysis of the substrates of aconitase. Proteins: Structure, Function and Bioinformatics, 1993, 17, 1-10.	2.6	84
48	<scp>RCSB</scp> Protein Data Bank: Celebrating 50â€‰years of the <scp>PDB</scp> with new tools for understanding and visualizing biological macromolecules in <scp>3D</scp>. Protein Science, 2022, 31, 187-208.	7.6	84
49	ePMV Embeds Molecular Modeling into Professional Animation Software Environments. Structure, 2011, 19, 293-303.	3.3	82
50	Automated docking of ligands to an artificial active site: augmenting crystallographic analysis with computer modeling. Journal of Computer-Aided Molecular Design, 2003, 17, 525-536.	2.9	81
51	Tactile teaching: Exploring protein structure/function using physical models. Biochemistry and Molecular Biology Education, 2006, 34, 247-254.	1.2	77
52	Crystallographic analysis of C-C-A-A-G-C-T-T-G-G and its implications for bending in B-DNA. Biochemistry, 1993, 32, 8923-8931.	2.5	76
53	A visual review of the human pathogen Streptococcus pneumoniae. FEMS Microbiology Reviews, 2017, 41, 854-879.	8.6	72
54	The Molecular Perspective: Ultraviolet Light and Pyrimidine Dimers. Oncologist, 2001, 6, 298-299.	3.7	70

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55	RCSB Protein Data Bank: A Resource for Chemical, Biochemical, and Structural Explorations of Large and Small Biomolecules. Journal of Chemical Education, 2016, 93, 569-575.	2.3	66
56	Crystal Structure of C-T-C-T-C-G-A-G-A-G. Implications for the Structure of the Holliday Junction. Biochemistry, 1995, 34, 1022-1029.	2.5	62
57	Rendering volumetric data in molecular systems. Journal of Molecular Graphics, 1989, 7, 41-47.	1.1	55
58	3D molecular models of whole HIV-1 virions generated with cellPACK. Faraday Discussions, 2014, 169, 23-44.	3.2	52
59	Molecular Illustration in Research and Education: Past, Present, and Future. Journal of Molecular Biology, 2018, 430, 3969-3981.	4.2	52
60	Analysis of a data set of paired uncomplexed protein structures: New metrics for side-chain flexibility and model evaluation. Proteins: Structure, Function and Bioinformatics, 2001, 43, 271-279.	2.6	50
61	The Molecular Perspective: The <i>ras</i> Oncogene. Stem Cells, 1999, 17, 235-236.	3.2	49
62	Redoxâ€Based Probes for Protein Tyrosine Phosphatases. Angewandte Chemie - International Edition, 2011, 50, 4423-4427.	13.8	48
63	Protein Flexibility in Virtual Screening: The BACE-1 Case Study. Journal of Chemical Information and Modeling, 2012, 52, 2697-2704.	5.4	47
64	Visual Methods from Atoms to Cells. Structure, 2005, 13, 347-354.	3.3	46
65	The molecular perspective: the ras oncogene. Oncologist, 1999, 4, 263-4.	3.7	45
66	The Molecular Perspective: Methotrexate. Oncologist, 1999, 4, 340-341.	3.7	43
67	<scp>PDB</scp>â€101: Educational resources supporting molecular explorations through biology and medicine. Protein Science, 2022, 31, 129-140.	7.6	43
68	Promoting a structural view of biology for varied audiences: an overview of RCSB PDB resources and experiences. Journal of Applied Crystallography, 2010, 43, 1224-1229.	4.5	41
69	Building Structural Models of a Whole Mycoplasma Cell. Journal of Molecular Biology, 2022, 434, 167351.	4.2	40
70	Grid-Based Hydrogen Bond Potentials with Improved Directionality. Letters in Drug Design and Discovery, 2004, 1, 178-183.	0.7	38
71	Filling in the Gaps: Artistic License in Education and Outreach. PLoS Biology, 2007, 5, e308.	5.6	38
72	The Molecular Perspective: VEGF and Angiogenesis. Stem Cells, 2003, 21, 118-119.	3.2	37

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73	Instant Construction and Visualization of Crowded Biological Environments. IEEE Transactions on Visualization and Computer Graphics, 2018, 24, 862-872.	4.4	36
74	Art and Science of the Cellular Mesoscale. Trends in Biochemical Sciences, 2020, 45, 472-483.	7.5	36
75	The Molecular Perspective: Ultraviolet Light and Pyrimidine Dimers. Stem Cells, 2001, 19, 348-349.	3.2	35
76	The Molecular Perspective: Cisplatin. Stem Cells, 2006, 24, 514-515.	3.2	35
77	Empirical entropic contributions in computational docking: Evaluation in APS reductase complexes. Journal of Computational Chemistry, 2008, 29, 1753-1761.	3.3	34
78	The Molecular Perspective: VEGF and Angiogenesis. Oncologist, 2002, 7, 569-570.	3.7	33
79	Computational Docking of Biomolecular Complexes with AutoDock. Cold Spring Harbor Protocols, 2009, 2009, pdb.prot5200.	0.3	33
80	CellPAINT: Interactive Illustration of Dynamic Mesoscale Cellular Environments. IEEE Computer Graphics and Applications, 2018, 38, 51-66.	1.2	33
81	Structure-Based Virtual Screening and Biological Evaluation of <i>Mycobacterium tuberculosis</i> Adenosine 5â€²-Phosphosulfate Reductase Inhibitors. Journal of Medicinal Chemistry, 2008, 51, 6627-6630.	6.4	32
82	Visualizing Biological Molecules. Scientific American, 1992, 267, 76-81.	1.0	31
83	Structure of a dicationic monoimidazole lexitropsin bound to DNA. Biochemistry, 1995, 34, 16654-16661.	2.5	31
84	From Atoms to Cells: Using Mesoscale Landscapes to Construct Visual Narratives. Journal of Molecular Biology, 2018, 430, 3954-3968.	4.2	31
85	Evolution of the <scp>SARSâ€CoV</scp>â€2 proteome in three dimensions (3D) during the first 6 months of the <scp>COVID</scp>â€19 pandemic. Proteins: Structure, Function and Bioinformatics, 2022, 90, 1054-1080.	2.6	31
86	The Molecular Perspective: Methotrexate. Stem Cells, 1999, 17, 314-315.	3.2	29
87	Progress in the design of DNA sequence-specific lexitropsins. , 1997, 44, 323-334.		28
88	The Molecular Perspective: Bcl-2 and Apoptosis. Stem Cells, 2002, 20, 355-356.	3.2	28
89	Escherichia coli. Biochemistry and Molecular Biology Education, 2009, 37, 325-332.	1.2	28
90	The Molecular Perspective: Cytochrome c and Apoptosis. Oncologist, 2004, 9, 226-227.	3.7	27

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91	The Molecular Perspective: Cisplatin. Oncologist, 2006, 11, 316-317.	3.7	27
92	Docking of 4-oxalocrotonate tautomerase substrates: Implications for the catalytic mechanism. , 1999, 50, 319-328.		26
93	The Molecular Perspective: Tamoxifen and the Estrogen Receptor. Oncologist, 2002, 7, 163-164.	3.7	26
94	Illustrations of the HIV Life Cycle. Current Topics in Microbiology and Immunology, 2015, 389, 243-252.	1.1	25
95	Automated Docking and the Search for HIV Protease Inhibitors. SAR and QSAR in Environmental Research, 1998, 8, 273-285.	2.2	24
96	Lateâ€onset retinal degeneration pathology due to mutations in CTRP5 is mediated through HTRA1. Aging Cell, 2019, 18, e13011.	6.7	24
97	Representing Structural Information with RasMol. Current Protocols in Bioinformatics, 2005, 11, Unit 5.4.	25.8	23
98	Lattice Models of Bacterial Nucleoids. Journal of Physical Chemistry B, 2018, 122, 5441-5447.	2.6	23
99	Eukaryotic cell panorama. Biochemistry and Molecular Biology Education, 2011, 39, 91-101.	1.2	22
100	Estimation of the DNA sequence discriminatory ability of hairpin-linked lexitropsins. Proceedings of the National Academy of Sciences of the United States of America, 1997, 94, 5634-5639.	7.1	21
101	Sequence Recognition of DNA by Lexitropsins. Current Medicinal Chemistry, 2001, 8, 509-516.	2.4	21
102	The molecular perspective: methotrexate. Oncologist, 1999, 4, 340-1.	3.7	21
103	BioEditor--simplifying macromolecular structure annotation. Bioinformatics, 2003, 19, 897-898.	4.1	20
104	<i>Modeling in the Time of COVID-19:</i> Statistical and Rule-based Mesoscale Models. IEEE Transactions on Visualization and Computer Graphics, 2021, 27, 722-732.	4.4	20
105	CellPAINT: Turnkey Illustration of Molecular Cell Biology. Frontiers in Bioinformatics, 2021, 1, .	2.1	20
106	The Molecular Perspective: Epidermal Growth Factor. Oncologist, 2003, 8, 496-497.	3.7	19
107	Integrative illustration for coronavirus outreach. PLoS Biology, 2020, 18, e3000815.	5.6	18
108	Molecular illustration in black and white. Journal of Molecular Graphics, 1992, 10, 235-240.	1.1	17

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109	Evolutionary analysis of HIV-1 protease inhibitors: Methods for design of inhibitors that evade resistance. Proteins: Structure, Function and Bioinformatics, 2002, 48, 63-74.	2.6	17
110	Selective and Effective: Current Progress in Computational Structure-Based Drug Discovery of Targeted Covalent Inhibitors. Trends in Pharmacological Sciences, 2020, 41, 1038-1049.	8.7	17
111	Impact of the Protein Data Bank Across Scientific Disciplines. Data Science Journal, 2020, 19, 25.	1.3	17
112	The Molecular Perspective: Cyclooxygenaseâ€2. Oncologist, 2000, 5, 169-171.	3.7	16
113	Recognition templates for predicting adenylate-binding sites in proteins. Journal of Molecular Biology, 2001, 314, 1245-1255.	4.2	16
114	Labels on Levels: Labeling of Multi-Scale Multi-Instance and Crowded 3D Biological Environments. IEEE Transactions on Visualization and Computer Graphics, 2019, 25, 977-986.	4.4	16
115	Insights from 20â€‰years of the Molecule of the Month. Biochemistry and Molecular Biology Education, 2020, 48, 350-355.	1.2	16
116	Design of B-DNA cross-linking and sequence-reading molecules. Biopolymers, 1995, 35, 543-553.	2.4	15
117	Coevolutionary analysis of resistance-evading peptidomimetic inhibitors of HIV-1 protease. Proceedings of the National Academy of Sciences of the United States of America, 1999, 96, 1369-1374.	7.1	14
118	The Molecular Perspective: Bclâ€2 and Apoptosis. Oncologist, 2002, 7, 259-260.	3.7	14
119	Coevolution and subsite decomposition for the design of resistance-evading HIV-1 protease inhibitors 1 1Edited by F. E. Cohen. Journal of Molecular Biology, 1999, 287, 77-92.	4.2	13
120	The Molecular Perspective: Tamoxifen and the Estrogen Receptor. Stem Cells, 2002, 20, 267-268.	3.2	13
121	Artophagy: The Art of Autophagy-the Cvt pathway. Autophagy, 2010, 6, 3-6.	9.1	13
122	Visibility Equalizer Cutaway Visualization of Mesoscopic Biological Models. Computer Graphics Forum, 2016, 35, 161-170.	3.0	13
123	Novel Intersubunit Interaction Critical for HIV-1 Core Assembly Defines a Potentially Targetable Inhibitor Binding Pocket. MBio, 2019, 10, .	4.1	13
124	Seeing the PDB. Journal of Biological Chemistry, 2021, 296, 100742.	3.4	13
125	The Molecular Perspective: Tumor Necrosis Factor. Oncologist, 2006, 11, 83-84.	3.7	12
126	The Molecular Perspective: Caspases. Oncologist, 2000, 5, 435-436.	3.7	11

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127	The Molecular Perspective: Caspases. Stem Cells, 2000, 18, 457-458.	3.2	11
128	The Molecular Perspective: Cadherin. Oncologist, 2002, 7, 467-468.	3.7	11
129	The Molecular Perspective: Doubleâ€Stranded DNA Breaks. Oncologist, 2005, 10, 361-362.	3.7	11
130	The Molecular Perspective: l â€Asparaginase. Oncologist, 2005, 10, 238-239.	3.7	11
131	Neuromuscular synapse. Biochemistry and Molecular Biology Education, 2009, 37, 204-210.	1.2	11
132	Atomic Evidence. , 2016, , .		11
133	Cuttlefish: Color Mapping for Dynamic Multiâ€Scale Visualizations. Computer Graphics Forum, 2019, 38, 150-164.	3.0	11
134	The Molecular Perspective: p53 Tumor Suppressor. Oncologist, 1999, 4, 138-139.	3.7	11
135	RMS: programs for generating raster molecular surfaces. Journal of Molecular Graphics, 1988, 6, 41-44.	1.1	10
136	The Molecular Perspective: Morphine. Oncologist, 2004, 9, 717-718.	3.7	10
137	The Molecular Perspective: Cytochrome c and Apoptosis. Stem Cells, 2004, 22, 428-429.	3.2	10
138	RCSB Protein Data Bank resources for structure-facilitated design of mRNA vaccines for existing and emerging viral pathogens. Structure, 2022, 30, 55-68.e2.	3.3	10
139	Macromolecular graphics. Current Opinion in Structural Biology, 1992, 2, 193-201.	5.7	9
140	The Molecular Perspective: DNA Topoisomerases. Stem Cells, 2002, 20, 470-471.	3.2	9
141	The Molecular Perspective: Cadherin. Stem Cells, 2002, 20, 583-584.	3.2	9
142	Fact and Fantasy in Nanotech Imagery. Leonardo, 2009, 42, 52-57.	0.3	9
143	Mitochondrion. Biochemistry and Molecular Biology Education, 2010, 38, 134-140.	1.2	9
144	A Study on Docking Mode of HIV Protease and Their Inhibitors.. Journal of Chemical Software, 2001, 7, 103-114.	0.2	9

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145	The Molecular Perspective: Epidermal Growth Factor. Stem Cells, 2003, 21, 702-703.	3.2	8
146	<i>Illustrating the machinery of life</i>: Viruses. Biochemistry and Molecular Biology Education, 2012, 40, 291-296.	1.2	8
147	Interactive modeling of supramolecular assemblies. Journal of Molecular Graphics and Modelling, 1998, 16, 115-120.	2.4	7
148	The theoretical limits of DNA sequence discrimination by linked polyamides. Proceedings of the National Academy of Sciences of the United States of America, 1998, 95, 4315-4320.	7.1	7
149	The Molecular Perspective: p53 Tumor Suppressor. Stem Cells, 1999, 17, 189-190.	3.2	7
150	The Molecular Perspective: Microtubules and the Taxanes. Oncologist, 2000, 5, 345-346.	3.7	7
151	The Molecular Perspective: Histone Deacetylase. Stem Cells, 2003, 21, 620-621.	3.2	7
152	The Molecular Perspective: Alcohol. Oncologist, 2006, 11, 1045-1046.	3.7	7
153	The Molecular Perspective: Estrogen Sulfotransferase. Oncologist, 2006, 11, 418-419.	3.7	7
154	The evolution of the RCSB Protein Data Bank website. Wiley Interdisciplinary Reviews: Computational Molecular Science, 2011, 1, 782-789.	14.6	7
155	Molecular storytelling for online structural biology outreach and education. Structural Dynamics, 2021, 8, 020401.	2.3	7
156	Art as a tool for science. Nature Structural and Molecular Biology, 2021, 28, 402-403.	8.2	7
157	Automated docking of flexible ligands: Applications of autodock. , 1996, 9, 1.		7
158	The molecular perspective: p53 tumor suppressor. Oncologist, 1999, 4, 138-9.	3.7	7
159	Exploring protein symmetry at the RCSB Protein Data Bank. Emerging Topics in Life Sciences, 2022, 6, 231-243.	2.6	7
160	The Molecular Perspective: Cyclooxygenase-2. Stem Cells, 2000, 18, 227-229.	3.2	6
161	Looking at Molecules-An Essay on Art and Science. ChemBioChem, 2003, 4, 1293-1297.	2.6	6
162	The Molecular Perspective: Nicotine and Nitrosamines. Oncologist, 2004, 9, 353-354.	3.7	6

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163	The Molecular Perspective: Morphine. Stem Cells, 2005, 23, 144-145.	3.2	6
164	The Molecular Perspective: Tissue Factor. Oncologist, 2006, 11, 849-850.	3.7	6
165	Protein structure in context: The molecular landscape of angiogenesis. Biochemistry and Molecular Biology Education, 2013, 41, 213-223.	1.2	6
166	Parallel Generation and Visualization of Bacterial Genome Structures. Computer Graphics Forum, 2019, 38, 57-68.	3.0	6
167	RCSB Protein Data Bank tools for 3D structure-guided cancer research: human papillomavirus (HPV) case study. Oncogene, 2020, 39, 6623-6632.	5.9	6
168	Integrative illustration of a JCVI-syn3A minimal cell. Journal of Integrative Bioinformatics, 2022, 19, .	1.5	6
169	The Molecular Perspective: DNA. Stem Cells, 2000, 18, 148-149.	3.2	5
170	The Molecular Perspective: Histone Deacetylase. Oncologist, 2003, 8, 389-391.	3.7	5
171	The Molecular Perspective: Microtubules and the Taxanes. Stem Cells, 2000, 18, 382-383.	3.2	4
172	The Molecular Perspective: Cytochrome P450. Oncologist, 2001, 6, 205-206.	3.7	4
173	The Molecular Perspective: Antibodies. Oncologist, 2001, 6, 547-548.	3.7	4
174	The Molecular Perspective: Restriction Endonucleases. Oncologist, 2002, 7, 82-83.	3.7	4
175	The Molecular Perspective: Restriction Endonucleases. Stem Cells, 2002, 20, 190-191.	3.2	4
176	The Molecular Perspective: DNA Polymerase. Oncologist, 2004, 9, 108-109.	3.7	4
177	The Quest for Nanotechnology. , 0, , 1-8.		4
178	Recognition in action: DNA mimicry. Journal of Molecular Recognition, 2005, 18, 427-430.	2.1	4
179	Identifying Protein Binding Sites and Optimal Ligands. Letters in Drug Design and Discovery, 2005, 2, 483-489.	0.7	4
180	Making the step from chemistry to biology and back. Nature Chemical Biology, 2007, 3, 681-684.	8.0	4

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181	Putting proteins in context. BioEssays, 2012, 34, 718-720.	2.5	4
182	The Effects of the SUN Project on Teacher Knowledge and Self-Efficacy Regarding Biological Energy Transfer Are Significant and Long-Lasting: Results of a Randomized Controlled Trial. CBE Life Sciences Education, 2013, 12, 287-305.	2.3	4
183	Revealing structural views of biology. Biopolymers, 2013, 99, 817-824.	2.4	4
184	Fragment-Based Analysis of Ligand Dockings Improves Classification of Actives. Journal of Chemical Information and Modeling, 2016, 56, 1597-1607.	5.4	4
185	Integrative modeling of the HIV-1 ribonucleoprotein complex. PLoS Computational Biology, 2019, 15, e1007150.	3.2	4
186	Atomistic vs. Continuous Representations in Molecular Biology. , 1999, , 146-155.		4
187	Symmetry at the Cellular Mesoscale. Symmetry, 2019, 11, 1170.	2.2	4
188	Design of stapled DNA-minor-groove-binding molecules with a mutable atom simulated annealing method. Journal of Computer-Aided Molecular Design, 1997, 11, 539-546.	2.9	3
189	The art of molecular graphics Irving Geis: Dean of molecular illustration. Journal of Molecular Graphics and Modelling, 1997, 15, 57-59.	2.4	3
190	The Molecular Perspective: Matrix Metalloproteinase 2. Stem Cells, 2000, 18, 73-75.	3.2	3
191	The Molecular Perspective: Nicotine and Nitrosamines. Stem Cells, 2004, 22, 645-646.	3.2	3
192	The Molecular Perspective: Polycyclic Aromatic Hydrocarbons. Stem Cells, 2004, 22, 873-874.	3.2	3
193	The Molecular Perspective: Major Histocompatibility Complex. Stem Cells, 2005, 23, 454-455.	3.2	3
194	The Molecular Perspective: l-Asparaginase. Stem Cells, 2005, 23, 710-711.	3.2	3
195	The Molecular Perspective: Double-Stranded DNA Breaks. Stem Cells, 2005, 23, 1021-1022.	3.2	3
196	Recognition in action: flipping pyrimidine dimers. Journal of Molecular Recognition, 2005, 18, 193-195.	2.1	3
197	The Molecular Perspective: Hepatitis B Virus. Oncologist, 2007, 12, 516-517.	3.7	3
198	The Molecular Perspective: Matrix Metalloproteinase 2. Oncologist, 1999, 4, 509-511.	3.7	3

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199	Chameleon: Dynamic Color Mapping for Multi-Scale Structural Biology Models. Eurographics Workshop on Visual Computing for Biomedicine, 2016, 2016, .	4.0	3
200	Integrative Modeling and Visualization of Exosomes. The Journal of Biocommunication, 2019, 43, .	0.1	3
201	The Molecular Perspective: Simian Virus 40. Oncologist, 2000, 5, 260-262.	3.7	2
202	The Molecular Perspective: Simian Virus 40. Stem Cells, 2000, 18, 301-303.	3.2	2
203	The Molecular Perspective: Interferons. Oncologist, 2001, 6, 374-375.	3.7	2
204	The Molecular Perspective: The src Oncogene. Oncologist, 2001, 6, 474-476.	3.7	2
205	The Molecular Perspective: DNA Topoisomerases. Oncologist, 2002, 7, 381-382.	3.7	2
206	The Molecular Perspective: Ubiquitin and the Proteosome. Oncologist, 2003, 8, 293-294.	3.7	2
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