

# Andrea Bodor

## 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.

59 papers	1,364 citations	20 h-index	35 g-index
68 ext. papers	1,518 ext. citations	5.5 avg, IF	4.06 L-index

#	Paper	IF	Citations
59	The Disordered EZH2 Loop: Atomic Level Characterization by $^1\text{H}$ - and $^1\text{H}$ -Detected NMR Approaches, Interaction with the Long Noncoding HOTAIR RNA. <i>International Journal of Molecular Sciences</i> , <b>2022</b> , 23, 6150	6.3	0
58	Selective $^1\text{H}$ NMR Methods Reveal Functionally Relevant Proline cis/trans Isomers in Intrinsically Disordered Proteins: Characterization of Minor Forms, Effects of Phosphorylation, and Occurrence in Proteome. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> ,	16.4	3
57	Novel Lysine-Rich Delivery Peptides of Plant Origin ERD and Human S100: The Effect of Carboxyfluorescein Conjugation, Influence of Aromatic and Proline Residues, Cellular Internalization, and Penetration Ability.. <i>ACS Omega</i> , <b>2021</b> , 6, 34470-34484	3.9	0
56	Tumor-Suppressor p53TAD Forms a Fuzzy Complex with Metastasis-Associated S100A4: Structural Insights and Dynamics by an NMR/MD Approach. <i>ChemBioChem</i> , <b>2020</b> , 21, 3087-3095	3.8	11
55	Anionic food color tartrazine enhances antibacterial efficacy of histatin-derived peptide DHVAR4 by fine-tuning its membrane activity. <i>Quarterly Reviews of Biophysics</i> , <b>2020</b> , 53, e5	7	9
54	Peptide-bicelle interaction: Following variations in size and morphology by a combined NMR-SAXS approach. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>2020</b> , 1862, 183095	3.8	1
53	Power of Pure Shift HETCOR Correlations: A Way to Characterize Biomolecules under Physiological Conditions. <i>Analytical Chemistry</i> , <b>2020</b> , 92, 12423-12428	7.8	4
52	Real-time pure shift measurements for uniformly isotope-labeled molecules using X-selective BIRD homonuclear decoupling. <i>Journal of Magnetic Resonance</i> , <b>2019</b> , 302, 64-71	3	9
51	Quantitative, Diffusion NMR Based Analytical Tool To Distinguish Folded, Disordered, and Denatured Biomolecules. <i>Analytical Chemistry</i> , <b>2019</b> , 91, 4929-4933	7.8	10
50	Directed Evolution of Canonical Loops and Their Swapping between Unrelated Serine Proteinase Inhibitors Disprove the Interscaffolding Additivity Model. <i>Journal of Molecular Biology</i> , <b>2019</b> , 431, 557-575	6.5	5
49	New Antimicrobial Potential and Structural Properties of PAFB: A Cationic, Cysteine-Rich Protein from <i>Penicillium chrysogenum</i> Q176. <i>Scientific Reports</i> , <b>2018</b> , 8, 1751	4.9	35
48	Multiple S100 protein isoforms and C-terminal phosphorylation contribute to the paralog-selective regulation of nonmuscle myosin 2 filaments. <i>Journal of Biological Chemistry</i> , <b>2018</b> , 293, 14850-14867	5.4	6
47	Dynamic control of RSK complexes by phosphoswitch-based regulation. <i>FEBS Journal</i> , <b>2018</b> , 285, 46-71	5.7	14
46	In Situ Terminal Functionalization of Polystyrene Obtained by Quasiliving ATRP and Subsequent Derivatizations. <i>ACS Symposium Series</i> , <b>2018</b> , 281-295	0.4	0
45	Ezrin interacts with S100A4 via both its N- and C-terminal domains. <i>PLoS ONE</i> , <b>2017</b> , 12, e0177489	3.7	15
44	Multilevel Changes in Protein Dynamics upon Complex Formation of the Calcium-Loaded S100A4 with a Nonmuscle Myosin IIA Tail Fragment. <i>ChemBioChem</i> , <b>2016</b> , 17, 1829-1838	3.8	8
43	Structural Basis of Ribosomal S6 Kinase 1 (RSK1) Inhibition by S100B Protein: MODULATION OF THE EXTRACELLULAR SIGNAL-REGULATED KINASE (ERK) SIGNALING CASCADE IN A CALCIUM-DEPENDENT WAY. <i>Journal of Biological Chemistry</i> , <b>2016</b> , 291, 11-27	5.4	40

42	Structural assembly of the signaling competent ERK2-RSK1 heterodimeric protein kinase complex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2015</b> , 112, 2711-6	11.5	21
41	Membrane interactions in small fast-tumbling bicelles as studied by 31P NMR. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>2015</b> , 1848, 760-6	3.8	4
40	An engineered scorpion toxin analogue with improved Kv1.3 selectivity displays reduced conformational flexibility. <i>Scientific Reports</i> , <b>2015</b> , 5, 18397	4.9	13
39	The C-terminal random coil region tunes the Ca <sup>2+</sup> -binding affinity of S100A4 through conformational activation. <i>PLoS ONE</i> , <b>2014</b> , 9, e97654	3.7	8
38	DYNLL2 dynein light chain binds to an extended linear motif of myosin 5a tail that has structural plasticity. <i>Biochemistry</i> , <b>2014</b> , 53, 7107-22	3.2	14
37	Catalytic mechanism of $\gamma$ -phosphate attack in dUTPase is revealed by X-ray crystallographic snapshots of distinct intermediates, 31P-NMR spectroscopy and reaction path modelling. <i>Nucleic Acids Research</i> , <b>2013</b> , 41, 10542-55	20.1	12
36	Star and Hyperbranched Polyisobutylenes via Terminally Reactive Polyisobutylene-Polystyrene Block Copolymers. <i>Macromolecular Symposia</i> , <b>2013</b> , 323, 37-41	0.8	11
35	Hiyama coupling reaction of fluoros alkenyl-fluorosilanes: Scope and mechanistic considerations. <i>Journal of Fluorine Chemistry</i> , <b>2012</b> , 137, 85-92	2.1	5
34	Synthesis, IR-, NMR-, DFT- and X-ray analysis of novel C2-chiral diferrocenylsalen complexes. <i>Journal of Organometallic Chemistry</i> , <b>2012</b> , 706-707, 46-51	2.3	4
33	Azidoblebbistatin, a photoreactive myosin inhibitor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2012</b> , 109, 9402-7	11.5	31
32	Disordered TPPP/p25 binds GTP and displays Mg <sup>2+</sup> -dependent GTPase activity. <i>FEBS Letters</i> , <b>2011</b> , 585, 803-8	3.8	24
31	Zn <sup>2+</sup> -induced rearrangement of the disordered TPPP/p25 affects its microtubule assembly and GTPase activity. <i>Biochemistry</i> , <b>2011</b> , 50, 9568-78	3.2	20
30	Greener fluoros chemistry: Convenient preparation of new types of CF <sub>3</sub> -rich secondary alkyl mesylates and their use for the synthesis of azides, amines, imidazoles and imidazolium salts. <i>Journal of Fluorine Chemistry</i> , <b>2010</b> , 131, 1368-1376	2.1	10
29	Sulfur Trioxide Containing Caprolactamium Hydrogen Sulfate: An Expanded Ionic Liquid for Large-Scale Production of $\epsilon$ -Caprolactam. <i>ACS Symposium Series</i> , <b>2009</b> , 235-239	0.4	
28	Biophysical studies of the membrane location of the voltage-gated sensors in the HsapBK and KvAP K(+) channels. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>2009</b> , 1788, 1976-86	3.8	25
27	Intrinsic structural disorder of DF31, a Drosophila protein of chromatin decondensation and remodeling activities. <i>Journal of Proteome Research</i> , <b>2008</b> , 7, 2291-9	5.6	16
26	Antibody recognition and conformational flexibility of a plaque-specific beta-amyloid epitope modulated by non-native peptide flanking regions. <i>Journal of Medicinal Chemistry</i> , <b>2008</b> , 51, 1150-61	8.3	4
25	The mechanism of the reverse recovery step, phosphate release, and actin activation of Dictyostelium myosin II. <i>Journal of Biological Chemistry</i> , <b>2008</b> , 283, 8153-63	5.4	41

24	Integration of Homogeneous and Heterogeneous Catalytic Processes for a Multi-step Conversion of Biomass: From Sucrose to Levulinic Acid, Valerolactone, 1,4-Pentanediol, 2-Methyl-tetrahydrofuran, and Alkanes. <i>Topics in Catalysis</i> , <b>2008</b> , 48, 49-54	2.3	386
23	Epsilon-caprolactamium hydrogen sulfate: an ionic liquid used for decades in the large-scale production of epsilon-caprolactam. <i>ChemSusChem</i> , <b>2008</b> , 1, 189-92	8.3	25
22	Imidazolium ionic liquids as solvents for cerium(IV)-mediated oxidation reactions. <i>Journal of Organic Chemistry</i> , <b>2007</b> , 72, 517-24	4.2	79
21	A New Synthetic Method for the Preparation of Star-Shaped Polyisobutylene with Hyperbranched Polystyrene Core. <i>Macromolecular Chemistry and Physics</i> , <b>2007</b> , 208, 1388-1393	2.6	20
20	Homogeneous gold-catalyzed hydrosilylation of aldehydes. <i>Journal of Organometallic Chemistry</i> , <b>2007</b> , 692, 1799-1805	2.3	37
19	Structure, enzymatic stability and antitumor activity of sea lamprey GnRH-III and its dimer derivatives. <i>Peptides</i> , <b>2007</b> , 28, 806-20	3.8	23
18	In Situ NMR Spectroscopic Observation of a Catalytic Intermediate in Phosphine-Catalyzed Cyclo-Oligomerization of Isocyanates. <i>Angewandte Chemie</i> , <b>2006</b> , 118, 113-116	3.6	12
17	Alternatively spliced exon B of myosin Va is essential for binding the tail-associated light chain shared by dynein. <i>Biochemistry</i> , <b>2006</b> , 45, 12582-95	3.2	50
16	Novel nontoxic heat shock protein 90 inhibitors having selective antiproliferative effect. <i>International Journal of Biochemistry and Cell Biology</i> , <b>2006</b> , 38, 1352-62	5.6	9
15	Novel generation ponytails in fluorine chemistry: Syntheses of primary, secondary, and tertiary (nonafluoro-tert-butyloxy)ethyl amines. <i>Journal of Fluorine Chemistry</i> , <b>2006</b> , 127, 1496-1504	2.1	32
14	In situ NMR spectroscopic observation of a catalytic intermediate in phosphine-catalyzed cyclo-oligomerization of isocyanates. <i>Angewandte Chemie - International Edition</i> , <b>2005</b> , 45, 107-10	16.4	30
13	Mitsunobu synthesis of symmetrical alkyl and polyfluoroalkyl secondary amines. <i>Journal of Fluorine Chemistry</i> , <b>2005</b> , 126, 1524-1530	2.1	17
12	Mechanism of the Pyridine-Modified Cobalt-Catalyzed Hydromethoxycarbonylation of 1,3-Butadiene. <i>Organometallics</i> , <b>2003</b> , 22, 1582-1584	3.8	22
11	Studies of equilibrium, structure, and dynamics in the aqueous Al(III)-oxalate-fluoride system by potentiometry, <sup>13</sup> C and <sup>19</sup> F NMR spectroscopy. <i>Geochimica Et Cosmochimica Acta</i> , <b>2003</b> , 67, 2793-2803	5.5	7
10	Equilibria and dynamics of some aqueous peroxomolybdophosphate catalysts: a potentiometric and <sup>31</sup> P NMR spectroscopic study. <i>Dalton Transactions</i> , <b>2003</b> , 2512-2518	4.3	5
9	Thallium(III) coordination compounds: chemical information from <sup>205</sup> Tl NMR longitudinal relaxation times. <i>Magnetic Resonance in Chemistry</i> , <b>2002</b> , 40, 716-722	2.1	5
8	<sup>1</sup> H- and <sup>13</sup> C-NMR as tools to study aluminium coordination chemistry—aqueous Al(III)-nitrate complexes. <i>Coordination Chemistry Reviews</i> , <b>2002</b> , 228, 175-186	23.2	32
7	Novel bis(diethylenetriamine)thallium(III) complex. Synthesis and characterization in pyridine solution and in solid. <i>Inorganica Chimica Acta</i> , <b>2002</b> , 331, 224-231	2.7	8

6	Slow dynamics of aluminium-citrate complexes studied by $^1\text{H}$ - and $^{13}\text{C}$ -NMR spectroscopy. <i>Coordination Chemistry Reviews</i> , <b>2002</b> , 228, 163-173	23.2	30
5	Equilibria and dynamics of some aqueous peroxomolybdate catalysts: a $^{17}\text{O}$ NMR spectroscopic study. <i>Dalton Transactions RSC</i> , <b>2002</b> , 4451-4456		14
4	In situ IR and NMR spectroscopic investigation of the formation and structure of protonated diacetylketene tetrachloroaluminate. <i>Journal of the Chemical Society, Perkin Transactions 1</i> , <b>2002</b> , 2861-2865		10
3	Does $[\text{AlF}_6]^{3-}$ Exist in Aqueous Solution?. <i>Australian Journal of Chemistry</i> , <b>2000</b> , 53, 625	1.2	4
2	$^{19}\text{F}$ NMR study of the equilibria and dynamics of the $\text{Al}^{3+}/\text{F}^-$ system. <i>Inorganic Chemistry</i> , <b>2000</b> , 39, 2530-2541	5.1	48
1	Siderophore analogues: a new macrocyclic tetraamine tris(hydroxamate) ligand; synthesis and solution chemistry of the iron(III), aluminium(III) and copper(II) complexes. <i>Journal of the Chemical Society Dalton Transactions</i> , <b>1999</b> , 799-806		25