

Tobias Madl

List of Publications by Year in descending order

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147
papers

7,892
citations

53660

45
h-index

60497

81
g-index

164
all docs

164
docs citations

164
times ranked

12701
citing authors

#	ARTICLE	IF	CITATIONS
1	Targeted Apoptosis of Senescent Cells Restores Tissue Homeostasis in Response to Chemotoxicity and Aging. <i>Cell</i> , 2017, 169, 132-147.e16.	13.5	979
2	Phase Separation of FUS Is Suppressed by Its Nuclear Import Receptor and Arginine Methylation. <i>Cell</i> , 2018, 173, 706-719.e13.	13.5	484
3	Hsp90-Tau Complex Reveals Molecular Basis for Specificity in Chaperone Action. <i>Cell</i> , 2014, 156, 963-974.	13.5	269
4	Arginine methylation next to the PY-NLS modulates Transportin binding and nuclear import of FUS. <i>EMBO Journal</i> , 2012, 31, 4258-4275.	3.5	266
5	Alternate Day Fasting Improves Physiological and Molecular Markers of Aging in Healthy, Non-obese Humans. <i>Cell Metabolism</i> , 2019, 30, 462-476.e6.	7.2	256
6	NES consensus redefined by structures of PKI-type and Rev-type nuclear export signals bound to CRM1. <i>Nature Structural and Molecular Biology</i> , 2010, 17, 1367-1376.	3.6	226
7	Multi-domain conformational selection underlies pre-mRNA splicing regulation by U2AF. <i>Nature</i> , 2011, 475, 408-411.	13.7	202
8	Structural basis for dimethylarginine recognition by the Tudor domains of human SMN and SPF30 proteins. <i>Nature Structural and Molecular Biology</i> , 2011, 18, 1414-1420.	3.6	164
9	NMR approaches for structural analysis of multidomain proteins and complexes in solution. <i>Progress in Nuclear Magnetic Resonance Spectroscopy</i> , 2014, 80, 26-63.	3.9	164
10	Redox-Dependent Control of FOXO/DAF-16 by Transportin-1. <i>Molecular Cell</i> , 2013, 49, 730-742.	4.5	138
11	Cytosolic Aspartate Availability Determines Cell Survival When Glutamine Is Limiting. <i>Cell Metabolism</i> , 2018, 28, 706-720.e6.	7.2	132
12	Tandem mass spectrometric analysis of a complex triterpene saponin mixture of <i>Chenopodium quinoa</i> . <i>Journal of the American Society for Mass Spectrometry</i> , 2006, 17, 795-806.	1.2	130
13	Novel genetically encoded fluorescent probes enable real-time detection of potassium in vitro and in vivo. <i>Nature Communications</i> , 2017, 8, 1422.	5.8	130
14	Modulation of the Hsp90 Chaperone Cycle by a Stringent Client Protein. <i>Molecular Cell</i> , 2014, 53, 941-953.	4.5	129
15	Structural Basis for Nucleic Acid and Toxin Recognition of the Bacterial Antitoxin CcdA. <i>Journal of Molecular Biology</i> , 2006, 364, 170-185.	2.0	119
16	Mapping the Orientation of Helices in Micelle-Bound Peptides by Paramagnetic Relaxation Waves. <i>Journal of the American Chemical Society</i> , 2007, 129, 5228-5234.	6.6	119
17	AAA+ chaperones and acyldepsipeptides activate the ClpP protease via conformational control. <i>Nature Communications</i> , 2015, 6, 6320.	5.8	110
18	An Efficient Protocol for NMR-Based Structure Determination of Protein Complexes in Solution. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 1967-1970.	7.2	104

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19	Optimization of lipid production with a genome-scale model of <i>Yarrowia lipolytica</i> . <i>BMC Systems Biology</i> , 2015, 9, 72.	3.0	101
20	pH-Lemon, a Fluorescent Protein-Based pH Reporter for Acidic Compartments. <i>ACS Sensors</i> , 2019, 4, 883-891.	4.0	99
21	Dietary spermidine improves cognitive function. <i>Cell Reports</i> , 2021, 35, 108985.	2.9	98
22	Randomised clinical trial: the effects of a multispecies probiotic vs. placebo on innate immune function, bacterial translocation and gut permeability in patients with cirrhosis. <i>Alimentary Pharmacology and Therapeutics</i> , 2016, 44, 926-935.	1.9	89
23	hnRNP A1 Proofreads 3' Splice Site Recognition by U2AF. <i>Molecular Cell</i> , 2012, 45, 314-329.	4.5	87
24	Long-range allosteric signaling in red light-regulated diguanylyl cyclases. <i>Science Advances</i> , 2017, 3, e1602498.	4.7	87
25	Use of Relaxation Enhancements in a Paramagnetic Environment for the Structure Determination of Proteins Using NMR Spectroscopy. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 8259-8262.	7.2	84
26	Structural basis for competitive interactions of Pex14 with the import receptors Pex5 and Pex19. <i>EMBO Journal</i> , 2009, 28, 745-754.	3.5	82
27	Transient Electrostatic Interactions Dominate the Conformational Equilibrium Sampled by Multidomain Splicing Factor U2AF65: A Combined NMR and SAXS Study. <i>Journal of the American Chemical Society</i> , 2014, 136, 7068-7076.	6.6	79
28	Importance of cycle timing for the function of the molecular chaperone Hsp90. <i>Nature Structural and Molecular Biology</i> , 2016, 23, 1020-1028.	3.6	78
29	Hsp90 regulates the dynamics of its cochaperone Sti1 and the transfer of Hsp70 between modules. <i>Nature Communications</i> , 2015, 6, 6655.	5.8	76
30	Monomethylated and unmethylated FUS exhibit increased binding to Transportin and distinguish FTLD-FUS from ALS-FUS. <i>Acta Neuropathologica</i> , 2016, 131, 587-604.	3.9	76
31	The redox environment triggers conformational changes and aggregation of hIAPP in Type II Diabetes. <i>Scientific Reports</i> , 2017, 7, 44041.	1.6	75
32	High-resolution structures of the IgM Fc domains reveal principles of its hexamer formation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 10183-10188.	3.3	73
33	Regulation of cellular senescence via the FOXO-p53 axis. <i>FEBS Letters</i> , 2018, 592, 2083-2097.	1.3	73
34	Structural Analysis of Large Protein Complexes Using Solvent Paramagnetic Relaxation Enhancements. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 3993-3997.	7.2	71
35	Metabolic reprogramming of donor T cells enhances graft-versus-leukemia effects in mice and humans. <i>Science Translational Medicine</i> , 2020, 12, .	5.8	70
36	Nuclear Import Receptors Directly Bind to Arginine-Rich Dipeptide Repeat Proteins and Suppress Their Pathological Interactions. <i>Cell Reports</i> , 2020, 33, 108538.	2.9	69

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37	NMR and small-angle scattering-based structural analysis of protein complexes in solution. <i>Journal of Structural Biology</i> , 2011, 173, 472-482.	1.3	67
38	Structure, phosphorylation and U2AF65 binding of the N-terminal domain of splicing factor 1 during 3' splice site recognition. <i>Nucleic Acids Research</i> , 2013, 41, 1343-1354.	6.5	61
39	A Novel Pex14 Protein-interacting Site of Human Pex5 Is Critical for Matrix Protein Import into Peroxisomes. <i>Journal of Biological Chemistry</i> , 2014, 289, 437-448.	1.6	60
40	PRMT1-mediated methylation of MICU1 determines the UCP2/3 dependency of mitochondrial Ca ²⁺ uptake in immortalized cells. <i>Nature Communications</i> , 2016, 7, 12897.	5.8	59
41	Recognition of the 3' splice site RNA by the U2AF heterodimer involves a dynamic population shift. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E7169-E7175.	3.3	57
42	Liver p53 is stabilized upon starvation and required for amino acid catabolism and gluconeogenesis. <i>FASEB Journal</i> , 2017, 31, 732-742.	0.2	55
43	Studying the Structure and Dynamics of Biomolecules by Using Soluble Paramagnetic Probes. <i>ChemPhysChem</i> , 2013, 14, 3082-3094.	1.0	54
44	Enhanced inter-compartmental Ca ²⁺ flux modulates mitochondrial metabolism and apoptotic threshold during aging. <i>Redox Biology</i> , 2019, 20, 458-466.	3.9	50
45	The neuronal S100B protein is a calcium-tuned suppressor of amyloid- β^2 aggregation. <i>Science Advances</i> , 2018, 4, eaaq1702.	4.7	49
46	Positioning of Micelle-Bound Peptides by Paramagnetic Relaxation Enhancements. <i>Journal of Physical Chemistry B</i> , 2009, 113, 4400-4406.	1.2	47
47	Allosteric modulation of peroxisomal membrane protein recognition by farnesylation of the peroxisomal import receptor PEX19. <i>Nature Communications</i> , 2017, 8, 14635.	5.8	47
48	Impaired Retinal Vessel Dilation Predicts Mortality in End-Stage Renal Disease. <i>Circulation Research</i> , 2019, 124, 1796-1807.	2.0	44
49	Nonclassical nuclear localization signals mediate nuclear import of CIRBP. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 8503-8514.	3.3	40
50	Type II NADH:quinone oxidoreductase from <i>Staphylococcus aureus</i> has two distinct binding sites and is rate limited by quinone reduction. <i>Molecular Microbiology</i> , 2015, 98, 272-288.	1.2	39
51	Wide-Range, Rapid, and Specific Identification of Pathogenic Bacteria by Surface-Enhanced Raman Spectroscopy. <i>ACS Sensors</i> , 2021, 6, 2911-2919.	4.0	39
52	Structural Basis for Homodimerization of the Src-associated during Mitosis, 68-kDa Protein (Sam68) Qua1 Domain. <i>Journal of Biological Chemistry</i> , 2010, 285, 28893-28901.	1.6	37
53	Lysosomal acid lipase regulates VLDL synthesis and insulin sensitivity in mice. <i>Diabetologia</i> , 2016, 59, 1743-1752.	2.9	37
54	N-acetylaspartate pathway is nutrient responsive and coordinates lipid and energy metabolism in brown adipocytes. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2019, 1866, 337-348.	1.9	37

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55	Characterization of Protein-Protein Interfaces in Large Complexes by Solid-State NMR Solvent Paramagnetic Relaxation Enhancements. <i>Journal of the American Chemical Society</i> , 2017, 139, 12165-12174.	6.6	35
56	Structural basis of nucleic-acid recognition and double-strand unwinding by the essential neuronal protein Pur-alpha. <i>ELife</i> , 2016, 5, .	2.8	35
57	Fasting improves therapeutic response in hepatocellular carcinoma through p53-dependent metabolic synergism. <i>Science Advances</i> , 2022, 8, eabh2635.	4.7	35
58	The Solution Structure of the Lantibiotic Immunity Protein Nisl and Its Interactions with Nisin. <i>Journal of Biological Chemistry</i> , 2015, 290, 28869-28886.	1.6	34
59	Dipeptidyl peptidase 3 modulates the renin-angiotensin system in mice. <i>Journal of Biological Chemistry</i> , 2020, 295, 13711-13723.	1.6	34
60	Structural Analysis of Protein Interfaces from ¹³ C Direct-Detected Paramagnetic Relaxation Enhancements. <i>Journal of the American Chemical Society</i> , 2010, 132, 7285-7287.	6.6	31
61	Prediction of Protein Structure Using Surface Accessibility Data. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 11970-11974.	7.2	31
62	Axin cancer mutants form nanoaggregates to rewire the Wnt signaling network. <i>Nature Structural and Molecular Biology</i> , 2016, 23, 324-332.	3.6	31
63	Hop/Sti1 phosphorylation inhibits its chaperone function. <i>EMBO Reports</i> , 2015, 16, 240-249.	2.0	30
64	Catalytic competence, structure and stability of the cancer-associated R139W variant of the human NAD(P)H:quinone oxidoreductase 1 (NQO1). <i>FEBS Journal</i> , 2017, 284, 1233-1245.	2.2	30
65	A switch point in the molecular chaperone Hsp90 responding to client interaction. <i>Nature Communications</i> , 2018, 9, 1472.	5.8	30
66	NMR characterization of solvent accessibility and transient structure in intrinsically disordered proteins. <i>Journal of Biomolecular NMR</i> , 2019, 73, 305-317.	1.6	30
67	The activity of protein phosphatase 5 towards native clients is modulated by the middle- and C-terminal domains of Hsp90. <i>Scientific Reports</i> , 2015, 5, 17058.	1.6	29
68	A Crystallin Fold in the Interleukin-4-inducing Principle of <i>Schistosoma mansoni</i> Eggs (IPSE/±-1) Mediates IgE Binding for Antigen-independent Basophil Activation. <i>Journal of Biological Chemistry</i> , 2015, 290, 22111-22126.	1.6	29
69	Increasing the Chemical Shift Dispersion of Unstructured Proteins with a Covalent Lanthanide Shift Reagent. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 14847-14851.	7.2	29
70	Acetyl-CoA carboxylase dependent lipogenesis promotes autophagy downstream of AMPK. <i>Journal of Biological Chemistry</i> , 2019, 294, 12020-12039.	1.6	29
71	Acetate-free, citrate-acidified bicarbonate dialysis improves serum calcification propensity—a preliminary study. <i>Nephrology Dialysis Transplantation</i> , 2018, 33, 2043-2051.	0.4	28
72	Lysyl oxidase-like protein 2 (LOXL2) modulates barrier function in cholangiocytes in cholestasis. <i>Journal of Hepatology</i> , 2018, 69, 368-377.	1.8	27

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73	Global analysis of protein arginine methylation. <i>Cell Reports Methods</i> , 2021, 1, 100016.	1.4	27
74	Multiple regulatory intrinsically disordered motifs control FOXO4 transcription factor binding and function. <i>Cell Reports</i> , 2021, 36, 109446.	2.9	27
75	A Radical Approach to Hydroxylaminotrichlorosilanes: Synthesis, Reactivity, and Crystal Structure of TEMPO- SiCl_3 (TEMPO = 2,2,6,6-tetramethylpiperidine-N-oxyl). <i>European Journal of Inorganic Chemistry</i> , 2010, 2010, 289-297.	1.0	26
76	RNA structure refinement using NMR solvent accessibility data. <i>Scientific Reports</i> , 2017, 7, 5393.	1.6	26
77	Imbalances in the eye lens proteome are linked to cataract formation. <i>Nature Structural and Molecular Biology</i> , 2021, 28, 143-151.	3.6	26
78	Glycogen Synthase Kinase 3 Beta Controls Presenilin-1-Mediated Endoplasmic Reticulum Ca^{2+} Leak Directed to Mitochondria in Pancreatic Islets and beta-Cells. <i>Cellular Physiology and Biochemistry</i> , 2019, 52, 57-75.	1.1	25
79	Tissue-Specific Landscape of Metabolic Dysregulation during Ageing. <i>Biomolecules</i> , 2021, 11, 235.	1.8	24
80	Reduced B12 uptake and increased gastrointestinal formate are associated with archaeome-mediated breath methane emission in humans. <i>Microbiome</i> , 2021, 9, 193.	4.9	24
81	Low cardiac lipolysis reduces mitochondrial fission and prevents lipotoxic heart dysfunction in Perilipin 5 mutant mice. <i>Cardiovascular Research</i> , 2020, 116, 339-352.	1.8	23
82	Serum Concentrations of Citrate, Tyrosine, 2- and 3- Hydroxybutyrate are Associated with Increased 3-Month Mortality in Acute Heart Failure Patients. <i>Scientific Reports</i> , 2019, 9, 6743.	1.6	23
83	A single alcohol binge impacts on neutrophil function without changes in gut barrier function and gut microbiome composition in healthy volunteers. <i>PLoS ONE</i> , 2019, 14, e0211703.	1.1	23
84	Increased Aggregation Tendency of Alpha-Synuclein in a Fully Disordered Protein Complex. <i>Journal of Molecular Biology</i> , 2019, 431, 2581-2598.	2.0	22
85	The Co-chaperone Cns1 and the Recruiter Protein Hgh1 Link Hsp90 to Translation Elongation via Chaperoning Elongation Factor 2. <i>Molecular Cell</i> , 2019, 74, 73-87.e8.	4.5	22
86	Crystal and solution structural studies of mouse phospholipid hydroperoxide glutathione peroxidase 4. <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2016, 72, 743-749.	0.4	19
87	Flexible IgE epitope-containing domains of Phl p 5 cause high allergenic activity. <i>Journal of Allergy and Clinical Immunology</i> , 2017, 140, 1187-1191.	1.5	19
88	Endothelial lipase increases antioxidative capacity of high-density lipoprotein. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2019, 1864, 1363-1374.	1.2	19
89	Branched-Chain Amino Acids Can Predict Mortality in ICU Sepsis Patients. <i>Nutrients</i> , 2021, 13, 3106.	1.7	19
90	ATP regulates RNA-driven cold inducible RNA binding protein phase separation. <i>Protein Science</i> , 2021, 30, 1438-1453.	3.1	18

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91	Integrative metabolomics as emerging tool to study autophagy regulation. <i>Microbial Cell</i> , 2017, 4, 240-258.	1.4	18
92	Saxagliptin but Not Sitagliptin Inhibits CaMKII and PKC via DPP9 Inhibition in Cardiomyocytes. <i>Frontiers in Physiology</i> , 2018, 9, 1622.	1.3	17
93	Cysteine oxidation triggers amyloid fibril formation of the tumor suppressor p16INK4A. <i>Redox Biology</i> , 2020, 28, 101316.	3.9	17
94	Probing Surfaces in Dynamic Protein Interactions. <i>Journal of Molecular Biology</i> , 2020, 432, 2949-2972.	2.0	17
95	XIAP restrains TNF-driven intestinal inflammation and dysbiosis by promoting innate immune responses of Paneth and dendritic cells. <i>Science Immunology</i> , 2021, 6, eabf7235.	5.6	17
96	Synthesis of Naturally Occurring Arsenic-Containing Carbohydrates. <i>Australian Journal of Chemistry</i> , 2009, 62, 538.	0.5	15
97	Tin-Doped Near-Infrared Persistent Luminescence Nanoparticles with Considerable Improvement of Biological Window Activation for Deep Tumor Photodynamic Therapy. <i>ACS Applied Bio Materials</i> , 2020, 3, 5995-6004.	2.3	15
98	Presenilin-1 Established ER-Ca ²⁺ Leak: a Follow Up on Its Importance for the Initial Insulin Secretion in Pancreatic Islets and β^2 -Cells Upon Elevated Glucose. <i>Cellular Physiology and Biochemistry</i> , 2019, 53, 573-586.	1.1	15
99	Quantification of primary fatty acid amides in commercial tallow and tallow fatty acid methyl esters by HPLC-APCI-MS. <i>Analyst</i> , The, 2005, 130, 565.	1.7	14
100	NMR spectroscopy enables simultaneous quantification of carbohydrates for diagnosis of intestinal and gastric permeability. <i>Scientific Reports</i> , 2018, 8, 14650.	1.6	13
101	Structure of an RNA aptamer in complex with the fluorophore tetramethylrhodamine. <i>Nucleic Acids Research</i> , 2020, 48, 949-961.	6.5	12
102	Potassium ions promote hexokinase-II dependent glycolysis. <i>IScience</i> , 2021, 24, 102346.	1.9	12
103	Phosphorylation Regulates CIRBP Arginine Methylation, Transportin-1 Binding and Liquid-Liquid Phase Separation. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 689687.	1.6	12
104	Relax with TEMPO: A Paramagnetic Relaxation Agent Useful also for Silicon-29 NMR Spectroscopy. <i>Organometallics</i> , 2008, 27, 500-502.	1.1	11
105	β -catenin regulates FOXP2 transcriptional activity via multiple binding sites. <i>FEBS Journal</i> , 2021, 288, 3261-3284.	2.2	11
106	Human Milk Oligosaccharides Modulate the Risk for Preterm Birth in a Microbiome-Dependent and -Independent Manner. <i>MSystems</i> , 2020, 5, .	1.7	10
107	Lysophosphatidic Acid Induces Aerobic Glycolysis, Lipogenesis, and Increased Amino Acid Uptake in BV-2 Microglia. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1968.	1.8	10
108	Metabolomic Profiles of Mouse Tissues Reveal an Interplay between Aging and Energy Metabolism. <i>Metabolites</i> , 2022, 12, 17.	1.3	10

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109	Endothelial Lipase Modulates Paraoxonase 1 Content and Arylesterase Activity of HDL. <i>International Journal of Molecular Sciences</i> , 2021, 22, 719.	1.8	9
110	Growing Human Hepatocellular Tumors Undergo a Global Metabolic Reprogramming. <i>Cancers</i> , 2021, 13, 1980.	1.7	9
111	p53 Transactivation Domain Mediates Binding and Phase Separation with Poly-PR/GR. <i>International Journal of Molecular Sciences</i> , 2021, 22, 11431.	1.8	9
112	NLRP3 as a sensor of metabolism gone awry. <i>Current Opinion in Biotechnology</i> , 2021, 68, 300-309.	3.3	8
113	Adhesion Dance with Raver. <i>Structure</i> , 2009, 17, 781-783.	1.6	7
114	A Compact Native 24-Residue Supersecondary Structure Derived from the Villin Headpiece Subdomain. <i>Biophysical Journal</i> , 2015, 108, 678-686.	0.2	7
115	Introduction of germline residues improves the stability of anti-HIV mAb 2G12-IgM. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2015, 1854, 1536-1544.	1.1	7
116	A small molecule chaperone rescues the stability and activity of a cancer-associated variant of NAD(P)H:quinone oxidoreductase 1 <i>in vitro</i> . <i>FEBS Letters</i> , 2020, 594, 424-438.	1.3	7
117	Metabolic profiling links cardiovascular risk and vascular end organ damage. <i>Atherosclerosis</i> , 2021, 331, 45-53.	0.4	7
118	Small Paramagnetic Co-solute Molecules. <i>New Developments in NMR</i> , 2018, , 283-309.	0.1	7
119	Transient helicity in intrinsically disordered Axin-1 studied by NMR spectroscopy and molecular dynamics simulations. <i>PLoS ONE</i> , 2017, 12, e0174337.	1.1	7
120	Patterns of Peripheral Blood B-Cell Subtypes Are Associated With Treatment Response in Patients Treated With Immune Checkpoint Inhibitors: A Prospective Longitudinal Pan-Cancer Study. <i>Frontiers in Immunology</i> , 2022, 13, 840207.	2.2	7
121	FOXO transcription factors differ in their dynamics and intra/intermolecular interactions. <i>Current Research in Structural Biology</i> , 2022, 4, 118-133.	1.1	7
122	In support of the BMRB. <i>Nature Structural and Molecular Biology</i> , 2012, 19, 854-860.	3.6	6
123	Patchy proteins form a perfect lens. <i>Science</i> , 2017, 357, 546-547.	6.0	6
124	Cohort profile: "Biomarkers of Personalised Medicine"™ (BioPersMed): a single-centre prospective observational cohort study in Graz/Austria to evaluate novel biomarkers in cardiovascular and metabolic diseases. <i>BMJ Open</i> , 2022, 12, e058890.	0.8	6
125	HDL-apoA-II Is Strongly Associated with 1-Year Mortality in Acute Heart Failure Patients. <i>Biomedicines</i> , 2022, 10, 1668.	1.4	6
126	Transgene integration causes RARB downregulation in homozygous Tg4 ⁴² mice. <i>Scientific Reports</i> , 2020, 10, 6377.	1.6	5

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127	Metabolic, Phenotypic, and Neuropathological Characterization of the Tg4-42 Mouse Model for Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2021, 80, 1151-1168.	1.2	5
128	Structural and DNA-binding properties of the cytoplasmic domain of <i>Vibrio cholerae</i> transcription factor ToxR. <i>Journal of Biological Chemistry</i> , 2021, 297, 101167.	1.6	5
129	Activation of efficient DNA repair mechanisms after photon and proton irradiation of human chondrosarcoma cells. <i>Scientific Reports</i> , 2021, 11, 24116.	1.6	5
130	Exploring the Arginine Methylome by Nuclear Magnetic Resonance Spectroscopy. <i>Journal of Visualized Experiments</i> , 2021, , .	0.2	4
131	Complementary omics strategies to dissect p53 signaling networks under nutrient stress. <i>Cellular and Molecular Life Sciences</i> , 2022, 79, .	2.4	4
132	Purification and Application of Genetically Encoded Potassium Ion Indicators for Quantification of Potassium Ion Concentrations within Biological Samples. <i>Current Protocols in Chemical Biology</i> , 2019, 11, e71.	1.7	3
133	Solution PRE NMR. <i>Biological Magnetic Resonance</i> , 2015, , 133-157.	0.4	3
134	EGCG Promotes FUS Condensate Formation in a Methylation-Dependent Manner. <i>Cells</i> , 2022, 11, 592.	1.8	3
135	A General Small-Angle X-ray Scattering-Based Screening Protocol for Studying Physical Stability of Protein Formulations. <i>Pharmaceutics</i> , 2022, 14, 69.	2.0	3
136	Oral Intake of L-Ornithine-L-Aspartate Is Associated with Distinct Microbiome and Metabolome Changes in Cirrhosis. <i>Nutrients</i> , 2022, 14, 748.	1.7	2
137	p53 Regulates a miRNA-Fructose Transporter Axis in Brown Adipose Tissue Under Fasting. <i>Frontiers in Genetics</i> , 0, 13, .	1.1	2
138	Prediction of Protein Structure Using Surface Accessibility Data. <i>Angewandte Chemie</i> , 2016, 128, 12149-12153.	1.6	1
139	Verbesserung der Dispersion der chemischen Verschiebungen von unstrukturierten Proteinen durch einen kovalent gebundenen Lanthanoidkomplex. <i>Angewandte Chemie</i> , 2016, 128, 15069-15073.	1.6	1
140	Oxidative stress induced structural changes in the microtubule-associated flavoenzyme Irc15p from <i>Saccharomyces cerevisiae</i> . <i>Protein Science</i> , 2018, 28, 176-190.	3.1	1
141	EL-HDL exhibits increased capacity to attenuate LDL oxidation independent of pon1. <i>Atherosclerosis</i> , 2017, 263, e216.	0.4	0
142	[P2 ²²⁹]: NMR-BASED METABOLIC PHENOTYPING OF RODENT ALZHEIMER'S DISEASE MODELS. <i>Alzheimer's and Dementia</i> , 2017, 13, P698.	0.4	0
143	P2 ²³⁸ : INTEGRATIVE CHARACTERIZATION OF A RODENT ALZHEIMER'S DISEASE MODEL. <i>Alzheimer's and Dementia</i> , 2018, 14, P762.	0.4	0
144	Entspannte Moleküle: NMR-Oberflächen daten zur Strukturbestimmung. <i>BioSpektrum</i> , 2018, 24, 161-163.	0.0	0

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145	Intracellular drug binding affinities by NMR. Acta Crystallographica Section D: Structural Biology, 2021, 77, 1216-1217.	1.1	0
146	Metabolic Reprogramming Overcomes T Cell Inhibition By AML Cells. Blood, 2018, 132, 3328-3328.	0.6	0
147	Hexokinase-II Enzymatic Activity Requires High Levels of Intracellular K+. SSRN Electronic Journal, 0, , .	0.4	0