

Peter Waaben Thulstrup

List of Publications by Year in descending order

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86
papers

1,460
citations

361296

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89
all docs

89
docs citations

89
times ranked

1960
citing authors

#	ARTICLE	IF	CITATIONS
1	Flexible linker modulates the binding affinity of the TP901â€ CI phage repressor to DNA. FEBS Journal, 2022, 289, 1135-1148.	2.2	3
2	Tuning Peptide Structure and Function through Fluorobenzene Stapling. Chemistry - A European Journal, 2022, 28, .	1.7	4
3	Hemoglobin-based oxygen carriers camouflaged with membranes extracted from red blood cells: Optimization and assessment of functionality. Materials Science and Engineering C, 2022, 134, 112691.	3.8	12
4	Gold Nanoparticle-Mediated Lateral Flow Assays for Detection of Host Antibodies and COVID-19 Proteins. Nanomaterials, 2022, 12, 1456.	1.9	17
5	Tying Up a Loose End: On the Role of the Câ€terminal CCHHRAG Fragment of the Metalloregulator CueR. ChemBioChem, 2022, 23, .	1.3	3
6	UV polarisation spectroscopy of 1,4-diethynylbenzene. Molecular Physics, 2021, 119, . A reference compound for $199m\text{Hg}$ perturbed angular correlation of I^3 -rays spectroscopy. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2021, 996, 3205-3212.	0.8	1
7	Electronic transitions of tetrathiafulvalene oriented in polyethylene film. Near and vacuum UV synchrotron radiation polarization spectroscopy. Chemical Physics Impact, 2021, 2, 100009.	0.7	2
8	Controlling the fractal dimension in self-assembly of terpyridine modified insulin by Fe ²⁺ and Eu ³⁺ to direct <i>in vivo</i> effects. Nanoscale, 2021, 13, 8467-8473.	1.7	6
9	Metal-Organic Framework-Based Oxygen Carriers with Antioxidant Protection as a Result of a Polydopamine Coating. Biomaterials Science, 2021, 9, 7257-7274.	2.8	3
10	Optimization of Hemoglobin Encapsulation within PLGA Nanoparticles and Their Investigation as Potential Oxygen Carriers. Pharmaceutics, 2021, 13, 1958.	2.6	8
11	Lowâ€Fouling Electrospayed Hemoglobin Nanoparticles with Antioxidant Protection as Promising Oxygen Carriers. Macromolecular Bioscience, 2020, 20, e1900293.	2.0	10
12	Probing the Secondary Structure of Individual A ⁴⁰ Amorphous Aggregates and Fibrils by AFMâ€R Spectroscopy. ChemBioChem, 2020, 21, 3521-3524.	2.1	25
13	Peroxyntitrous acid (ONOOH) modifies the structure of anastellin and influences its capacity to polymerize fibronectin. Redox Biology, 2020, 36, 101631.	1.3	13
14	Hemoglobin-Based Oxygen Carriers Incorporating Nanozymes for the Depletion of Reactive Oxygen Species. ACS Applied Materials & Interfaces, 2020, 12, 50275-50286.	3.9	5
15	Noncanonical Head-to-Head Hairpin DNA Dimerization Is Essential for the Synthesis of Orange Emissive Silver Nanoclusters. ACS Nano, 2020, 14, 8697-8706.	4.0	27
16	Formation and Structure of Fluorescent Silver Nanoclusters at Interfacial Binding Sites Facilitating Oligomerization of DNA Hairpins. Angewandte Chemie - International Edition, 2020, 59, 16091-16097.	7.3	36
17	Formation and Structure of Fluorescent Silver Nanoclusters at Interfacial Binding Sites Facilitating Oligomerization of DNA Hairpins. Angewandte Chemie, 2020, 132, 16225-16231.	7.2	22
18		1.6	4

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19	Flexibility of the CueR Metal Site Probed by Instantaneous Change of Element and Oxidation State from Ag ^I to Cd ^{II} . Chemistry - A European Journal, 2020, 26, 7451-7457.	1.7	10
20	Fluorescent Analogues of Human \pm -Calcitonin Gene-Related Peptide with Potent Vasodilator Activity. International Journal of Molecular Sciences, 2020, 21, 1343.	1.8	7
21	Self-Assembly of DNA-Peptide Supermolecules: Coiled-Coil Peptide Structures Templated by d-DNA and l-DNA Triplexes Exhibit Chirality-Independent but Orientation-Dependent Stabilizing Cooperativity. Chemistry - A European Journal, 2020, 26, 5676-5684.	1.7	8
22	C-terminal Cysteines of CueR Act as Auxiliary Metal Site Ligands upon Hg II Binding-A Mechanism To Prevent Transcriptional Activation by Divalent Metal Ions?. Chemistry - A European Journal, 2019, 25, 15030-15035.	1.7	11
23	Molecular multifunctionality preservation upon surface deposition for a chiral single-molecule magnet. Chemical Science, 2019, 10, 3065-3073.	3.7	22
24	Design and Fabrication of a Silver Nanocluster-Based Aptasensor for Lysozyme Detection. Plasmonics, 2019, 14, 1765-1774.	1.8	12
25	Structure-Activity Study, Characterization, and Mechanism of Action of an Antimicrobial Peptoid D2 and Its d- and l-Peptide Analogues. Molecules, 2019, 24, 1121.	1.7	9
26	Frontispiece: C-terminal Cysteines of CueR Act as Auxiliary Metal Site Ligands upon Hg ^{II} Binding-A Mechanism To Prevent Transcriptional Activation by Divalent Metal Ions?. Chemistry - A European Journal, 2019, 25, .	1.7	0
27	Structure-Activity Study of an All-d Antimicrobial Octapeptide D2D. Molecules, 2019, 24, 4571.	1.7	3
28	Structural basis of the bacteriophage λ TP901-1 Cl repressor dimerization and interaction with DNA. FEBS Letters, 2018, 592, 1738-1750.	1.3	5
29	The structural shift of a DNA template between a hairpin and a dimer tunes the emission color of DNA-templated AgNCs. Nanoscale, 2018, 10, 20717-20722.	2.8	24
30	Direct observation of Mg ²⁺ complexes in ionic liquid solutions by ³¹ Mg \hat{I}^2 -NMR spectroscopy. Dalton Transactions, 2018, 47, 14431-14435.	1.6	12
31	Iron chelation increases the tolerance of Escherichia coli to hyper-replication stress. Scientific Reports, 2018, 8, 10550.	1.6	3
32	NCAM2 Fibronectin type-III domains form a rigid structure that binds and activates the Fibroblast Growth Factor Receptor. Scientific Reports, 2018, 8, 8957.	1.6	16
33	Towards ³¹ Mg- \hat{I}^2 -NMR resonance linewidths adequate for applications in magnesium chemistry. Hyperfine Interactions, 2017, 238, 1.	0.2	5
34	Folding Topology of a Short Coiled-Coil Peptide Structure Templated by an Oligonucleotide Triplex. Chemistry - A European Journal, 2017, 23, 9297-9305.	1.7	13
35	Investigation of factors affecting the stability of lysozyme spray dried from ethanol-water solutions. International Journal of Pharmaceutics, 2017, 534, 263-271.	2.6	9
36	The Pathogenic A2V Mutant Exhibits Distinct Aggregation Kinetics, Metal Site Structure, and Metal Exchange of the Cu ²⁺ -A \hat{I}^2 Complex. Chemistry - A European Journal, 2017, 23, 13591-13595.	1.7	17

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37	MicroRNA Biomarkers in Neurodegenerative Diseases and Emerging Nano-Sensors Technology. <i>Journal of Movement Disorders</i> , 2017, 10, 18-28.	0.7	23
38	Expression, refolding and spectroscopic characterization of fibronectin type III (FnIII)-homology domains derived from human fibronectin leucine rich transmembrane protein (FLRT)-1, -2, and -3. <i>PeerJ</i> , 2017, 5, e3550.	0.9	3
39	Structural and dynamics studies of a truncated variant of CI repressor from bacteriophage TP901-1. <i>Scientific Reports</i> , 2016, 6, 29574.	1.6	13
40	Modulation of Backbone Flexibility for Effective Dissociation of Antibacterial and Hemolytic Activity in Cyclic Peptides. <i>ACS Medicinal Chemistry Letters</i> , 2016, 7, 741-745.	1.3	8
41	Intrinsic protein disorder could be overlooked in cocrystallization conditions: An SRCD case study. <i>Protein Science</i> , 2016, 25, 1977-1988.	3.1	6
42	Key role of cysteine residues and sulfenic acids in thermal- and H ₂ O ₂ -mediated modification of β -lactoglobulin. <i>Free Radical Biology and Medicine</i> , 2016, 97, 544-555.	1.3	29
43	Effect of ethanol as a co-solvent on the aerosol performance and stability of spray-dried lysozyme. <i>International Journal of Pharmaceutics</i> , 2016, 513, 175-182.	2.6	20
44	Peptide-oligonucleotide conjugates as nanoscale building blocks for assembly of an artificial three-helix protein mimic. <i>Nature Communications</i> , 2016, 7, 12294.	5.8	39
45	Construction of Insulin 18 α -mer Nanoassemblies Driven by Coordination to Iron(II) and Zinc(II) Ions at Distinct Sites. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 2378-2381.	7.2	11
46	Construction of Insulin 18 α -mer Nanoassemblies Driven by Coordination to Iron(II) and Zinc(II) Ions at Distinct Sites. <i>Angewandte Chemie</i> , 2016, 128, 2424-2427.	1.6	3
47	Locking-to-unlocking system is an efficient strategy to design DNA/silver nanoclusters (AgNCs) probe for human miRNAs. <i>Nucleic Acids Research</i> , 2016, 44, e57-e57.	6.5	42
48	Specificity of the Metalloregulator CueR for Monovalent Metal Ions: Possible Functional Role of a Coordinated Thiol?. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 15756-15761.	7.2	14
49	A de Novo-Designed Monomeric, Compact Three-Helix Bundle Protein on a Carbohydrate Template. <i>ChemBioChem</i> , 2015, 16, 1905-1918.	1.3	2
50	Specificity of the Metalloregulator CueR for Monovalent Metal Ions: Possible Functional Role of a Coordinated Thiol?. <i>Angewandte Chemie</i> , 2015, 127, 15982-15987.	1.6	5
51	Preferential Interactions and the Effect of Protein PEGylation. <i>PLoS ONE</i> , 2015, 10, e0133584.	1.1	10
52	Zn ^{II} and Hg ^{II} binding to a designed peptide that accommodates different coordination geometries. <i>Dalton Transactions</i> , 2015, 44, 12576-12588.	1.6	26
53	DNA/RNA chimera templates improve the emission intensity and target the accessibility of silver nanocluster-based sensors for human microRNA detection. <i>Analyst</i> , 2015, 140, 3422-3430.	1.7	20
54	The effect of glycine replacement with flexible β -amino acids on the antimicrobial and haemolytic activity of an amphipathic cyclic heptapeptide. <i>European Journal of Medicinal Chemistry</i> , 2015, 102, 574-581.	2.6	14

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55	Billion-fold Enhancement in Sensitivity of Nuclear Magnetic Resonance Spectroscopy for Magnesium Ions in Solution. <i>ChemPhysChem</i> , 2014, 15, 3929-3932.	1.0	19
56	Fine tuning of the catalytic activity of colicin E7 nuclease domain by systematic N-terminal mutations. <i>Protein Science</i> , 2014, 23, 1113-1122.	3.1	9
57	The Effect of Protein PEGylation on Physical Stability in Liquid Formulation. <i>Journal of Pharmaceutical Sciences</i> , 2014, 103, 3043-3054.	1.6	18
58	Substrate binding activates the designed triple mutant of the colicin E7 metallonuclease. <i>Journal of Biological Inorganic Chemistry</i> , 2014, 19, 1295-1303.	1.1	6
59	In-solution multiplex miRNA detection using DNA-templated silver nanocluster probes. <i>Analyst</i> , The, 2014, 139, 2158-2166.	1.7	60
60	DNA-RNA chimera indicates the flexibility of the backbone influences the encapsulation of fluorescent AgNC emitters. <i>Chemical Communications</i> , 2014, 50, 13592-13595.	2.2	15
61	Effect of salts, solvents and buffer on miRNA detection using DNA silver nanocluster (DNA/AgNCs) probes. <i>Nanotechnology</i> , 2014, 25, 045101.	1.3	26
62	Spectroscopic studies on the effect of high pressure treatment on the soluble protein fraction of porcine longissimus dorsi. <i>Food Chemistry</i> , 2014, 148, 120-123.	4.2	9
63	Electronic states of the fluorophore 9,10-bis(phenylethynyl)anthracene (BPEA). A synchrotron radiation linear dichroism investigation. <i>Chemical Physics Letters</i> , 2013, 559, 35-40.	1.2	9
64	Self-assembly of designed coiled coil peptides studied by small-angle X-ray scattering and analytical ultracentrifugation. <i>Journal of Peptide Science</i> , 2013, 19, 283-292.	0.8	10
65	Metal Ion Controlled Self-Assembly of a Chemically Reengineered Protein Drug Studied by Small-Angle X-ray Scattering. <i>Langmuir</i> , 2012, 28, 12159-12170.	1.6	14
66	Application of ²⁰⁴ mPb Perturbed Angular Correlation of $\hat{\gamma}$ -rays Spectroscopy in Coordination Chemistry. <i>Inorganic Chemistry</i> , 2012, 51, 1992-1994.	1.9	1
67	Design Aspects of Bright Red Emissive Silver Nanoclusters/DNA Probes for MicroRNA Detection. <i>ACS Nano</i> , 2012, 6, 8803-8814.	7.3	177
68	Electronic states of 1,4-bis(phenylethynyl)benzene: A synchrotron radiation linear dichroism investigation. <i>Chemical Physics</i> , 2012, 392, 130-135.	0.9	12
69	A molecular study of congenital erythropoietic porphyria in cattle. <i>Animal Genetics</i> , 2012, 43, 210-215.	0.6	7
70	Towards the role of metal ions in the structural variability of proteins: CdII speciation of a metal ion binding loop motif. <i>Metallomics</i> , 2011, 3, 1331.	1.0	18
71	Unique interplay between electronic states and dihedral angle for the molecular rotor diphenyldiacetylene. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 16168.	1.3	27
72	Design of a Three-Helix Bundle Capable of Binding Heavy Metals in a Triscysteine Environment. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 2049-2053.	7.2	76

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73	Controlled Self-Assembly of Re-engineered Insulin by Fe ^{II} . Chemistry - A European Journal, 2011, 17, 7198-7204.	1.7	27
74	Selected applications of perturbed angular correlation of ¹³³ Pa-rays (PAC) spectroscopy in biochemistry. Hyperfine Interactions, 2010, 197, 255-267.	0.2	7
75	3-Instead of 4-Helix Formation in a De Novo Designed Protein in Solution Revealed by Small-Angle X-ray Scattering. ChemBioChem, 2008, 9, 2663-2672.	1.3	12
76	Synthesis of functionalized de novo designed 8-16 kDa model proteins towards metal ion-binding and esterase activity. Organic and Biomolecular Chemistry, 2007, 5, 2225-2233.	1.5	15
77	The Application of ¹⁹⁹ Hg NMR and ^{199m} Hg Perturbed Angular Correlation (PAC) Spectroscopy to Define the Biological Chemistry of Hg ^{II} : A Case Study with Designed Two- and Three-Stranded Coiled Coils. Chemistry - A European Journal, 2007, 13, 9178-9190.	1.7	67
78	Vibrational circular dichroism spectroscopy of a spin-triplet bis-(biuretato) cobaltate(iii) coordination compound with low-lying electronic transitions. Dalton Transactions, 2007, , 1028.	1.6	49
79	The electronic structure and spectra of spin-triplet ground state bis(biuretato)cobalt(iii) coordination compounds. Dalton Transactions, 2006, , 1784.	1.6	17
80	POLARIZATION SPECTROSCOPY OF ORDERED SAMPLES. , 2006, , 689-727.		2
81	Synchrotron radiation circular dichroism spectroscopy applied to metmyoglobin and a 4-helix bundle carboprotein. Biopolymers, 2005, 78, 46-52.	1.2	11
82	Tetra-tert-Butyl-di-m-Hydroxo Digallium(III) and 1,12-Diaza-3,4:9,10-Dibenzo-5,8-Dioxo-cyclo-Pentadecane. Structure and Isomers of the Coordination Compound. International Journal of Molecular Sciences, 2005, 6, 276-290.	1.8	0
83	On the electronic structure and spectroscopic properties of a pseudo-tetrahedral cationic cobalt(ii) tetraamine complex ? ([³⁵ adamanzane)cobalt(ii)Electronic supplementary information (ESI) available: Table S1: Cartesian coordinates of the DFT optimized geometry of the [Co([³⁵ adz)] ₂ + ion. Table S2: Results of experimental and calculated infrared absorption spectra for the [Co([³⁵ adz)] ₂ + ion. See http://www.rsc.org/suppdata/doi/10.1039/b305712g/ . Dalton Transactions, 2003, , 3199.	1.6	14
84	Interaction between Ellagic Acid and Calf Thymus DNA Studied with Flow Linear Dichroism UV-VIS Spectroscopy. Biochemical and Biophysical Research Communications, 1999, 265, 416-421.	1.0	35
85	Magnesium(II)-ATP Complexes in Ethyl-Methylimidazolium Acetate Solutions Characterized by ³¹ Mg ² -Radiation-Detected NMR Spectroscopy. Angewandte Chemie - International Edition, 0, , .	7.2	1
86	Magnesium(II)-ATP Complexes in Ethyl-Methylimidazolium Acetate Solutions Characterized by ³¹ Mg ² -Radiation-Detected NMR Spectroscopy. Angewandte Chemie, 0, , .	1.6	1