Peter Waaben Thulstrup

List of Publications by Year
in descending order

86	1,460	361296 20	395590 33
papers	citations	h-index	g-index

89	89	89	1960
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Design Aspects of Bright Red Emissive Silver Nanoclusters/DNA Probes for MicroRNA Detection. ACS Nano, 2012, 6, 8803-8814.	7.3	177
2	Design of a Threeâ€Helix Bundle Capable of Binding Heavy Metals in a Triscysteine Environment. Angewandte Chemie - International Edition, 2011, 50, 2049-2053.	7.2	76
3	The Application of ¹⁹⁹Hg NMR and ^{199m}Hg Perturbed Angular Correlation (PAC) Spectroscopy to Define the Biological Chemistry of Hg^{II}: A Case Study with Designed Twoâ€and Threeâ€Stranded Coiled Coils. Chemistry - A European Journal, 2007, 13, 9178-9190.	1.7	67
4	In-solution multiplex miRNA detection using DNA-templated silver nanocluster probes. Analyst, The, 2014, 139, 2158-2166.	1.7	60
5	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
6	Locking-to-unlocking system is an efficient strategy to design DNA/silver nanoclusters (AgNCs) probe for human miRNAs. Nucleic Acids Research, 2016, 44, e57-e57.	6.5	42
7	Peptideâ€“oligonucleotide conjugates as nanoscale building blocks for assembly of an artificial three-helix protein mimic. Nature Communications, 2016, 7, 12294.	5.8	39
8	Noncanonical Head-to-Head Hairpin DNA Dimerization Is Essential for the Synthesis of Orange Emissive Silver Nanoclusters. ACS Nano, 2020, 14, 8697-8706.	7.3	36
9	Interaction between Ellagic Acid and Calf Thymus DNA Studied with Flow Linear Dichroism UVâ€“VIS Spectroscopy. Biochemical and Biophysical Research Communications, 1999, 265, 416-421.	1.0	35
10	Key role of cysteine residues and sulfenic acids in thermal- and H2O2-mediated modification of Î²-lactoglobulin. Free Radical Biology and Medicine, 2016, 97, 544-555.	1.3	29
11	Unique interplay between electronic states and dihedral angle for the molecular rotor diphenyldiacetylene. Physical Chemistry Chemical Physics, 2011, 13, 16168.	1.3	27
12	Controlled Selfâ€Assembly of Reâ€engineered Insulin by Fe^{II}. Chemistry - A European Journal, 2011, 17, 7198-7204.	1.7	27
13	Hemoglobin-Based Oxygen Carriers Incorporating Nanozymes for the Depletion of Reactive Oxygen Species. ACS Applied Materials & Interfaces, 2020, 12, 50275-50286.	4.0	27
14	Effect of salts, solvents and buffer on miRNA detection using DNA silver nanocluster (DNA/AgNCs) probes. Nanotechnology, 2014, 25, 045101.	1.3	26
15	Zn^{II}and Hg^{II}binding to a designed peptide that accommodates different coordination geometries. Dalton Transactions, 2015, 44, 12576-12588.	1.6	26
16	Lowâ€Fouling Electrosprayed Hemoglobin Nanoparticles with Antioxidant Protection as Promising Oxygen Carriers. Macromolecular Bioscience, 2020, 20, e1900293.	2.1	25
17	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
18	MicroRNA Biomarkers in Neurodegenerative Diseases and Emerging Nano-Sensors Technology. Journal of Movement Disorders, 2017, 10, 18-28.	0.7	23

#	Article	IF	Citations
19	Molecular multifunctionality preservation upon surface deposition for a chiral single-molecule magnet. Chemical Science, 2019, 10, 3065-3073.	3.7	22
20	Formation and Structure of Fluorescent Silver Nanoclusters at Interfacial Binding Sites Facilitating Oligomerization of DNA Hairpins. Angewandte Chemie - International Edition, 2020, 59, 16091-16097.	7.2	22
21	DNA/RNA chimera templates improve the emission intensity and target the accessibility of silver nanocluster-based sensors for human microRNA detection. Analyst, The, 2015, 140, 3422-3430.	1.7	20
22	Effect of ethanol as a co-solvent on the aerosol performance and stability of spray-dried lysozyme. International Journal of Pharmaceutics, 2016, 513, 175-182.	2.6	20
23	Billionâ€Fold Enhancement in Sensitivity of Nuclear Magnetic Resonance Spectroscopy for Magnesium Ions in Solution. ChemPhysChem, 2014, 15, 3929-3932.	1.0	19
24	Towards the role of metal ions in the structural variability of proteins: CdII speciation of a metal ion binding loop motif. Metallomics, 2011, 3, 1331.	1.0	18
25	The Effect of Protein PEGylation on Physical Stability in Liquid Formulation. Journal of Pharmaceutical Sciences, 2014, 103, 3043-3054.	1.6	18
26	The electronic structure and spectra of spin-triplet ground state bis(biuretato)cobalt(iii) coordination compounds. Dalton Transactions, 2006, , 1784.	1.6	17
27	The Pathogenic A2V Mutant Exhibits Distinct Aggregation Kinetics, Metal Site Structure, and Metal Exchange of the Cu²⁺â€“Aβ Complex. Chemistry - A European Journal, 2017, 23, 13591-13595.	1.7	17
28	Gold Nanoparticle-Mediated Lateral Flow Assays for Detection of Host Antibodies and COVID-19 Proteins. Nanomaterials, 2022, 12, 1456.	1.9	17
29	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
30	Synthesis of functionalized de novo designed 8â€“16 kDa model proteins towards metal ion-binding and esterase activity. Organic and Biomolecular Chemistry, 2007, 5, 2225-2233.	1.5	15
31	DNAâ€“RNA chimera indicates the flexibility of the backbone influences the encapsulation of fluorescent AgNC emitters. Chemical Communications, 2014, 50, 13592-13595.	2.2	15
32	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/dt/b3/b305712g/. Dalton Transactions, 2003, , 3199.	1.6	14
33	Metal Ion Controlled Self-Assembly of a Chemically Reengineered Protein Drug Studied by Small-Angle X-ray Scattering. Langmuir, 2012, 28, 12159-12170.	1.6	14
34	Specificity of the Metalloregulator CueR for Monovalent Metal Ions: Possible Functional Role of a Coordinated Thiol?. Angewandte Chemie - International Edition, 2015, 54, 15756-15761.	7.2	14
35	The effect of glycine replacement with flexible ï‰-amino acids on the antimicrobial and haemolytic activity of an amphipathic cyclic heptapeptide. European Journal of Medicinal Chemistry, 2015, 102, 574-581.	2.6	14
36	Structural and dynamics studies of a truncated variant of CI repressor from bacteriophage TP901-1. Scientific Reports, 2016, 6, 29574.	1.6	13

#	Article	IF	Citations
37	Folding Topology of a Short Coiledâ€Coil Peptide Structure Templated by an Oligonucleotide Triplex. Chemistry - A European Journal, 2017, 23, 9297-9305.	1.7	13
38	Probing the Secondary Structure of Individual AÎ²₄₀ Amorphous Aggregates and Fibrils by AFMâ€IR Spectroscopy. ChemBioChem, 2020, 21, 3521-3524.	1.3	13
39	3â€•Instead of 4â€Helix Formation in a De Novo Designed Protein in Solution Revealed by Smallâ€Angle Xâ€ray Scattering. ChemBioChem, 2008, 9, 2663-2672.	1.3	12
40	Electronic states of 1,4-bis(phenylethynyl)benzene: A synchrotron radiation linear dichroism investigation. Chemical Physics, 2012, 392, 130-135.	0.9	12
41	Direct observation of Mg²⁺complexes in ionic liquid solutions by³¹Mg Î²-NMR spectroscopy. Dalton Transactions, 2018, 47, 14431-14435.	1.6	12
42	Design and Fabrication of a Silver Nanocluster-Based Aptasensor for Lysozyme Detection. Plasmonics, 2019, 14, 1765-1774.	1.8	12
43	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
44	Synchrotron radiation circular dichroism spectroscopy applied to metmyoglobin and a 4-?-helix bundle carboprotein. Biopolymers, 2005, 78, 46-52.	1.2	11
45	Construction of Insulin 18â€mer Nanoassemblies Driven by Coordination to Iron(II) and Zinc(II) Ions at Distinct Sites. Angewandte Chemie - International Edition, 2016, 55, 2378-2381.	7.2	11
46	Câ€terminal Cysteines of CueR Act as Auxiliary Metal Site Ligands upon Hg II Bindingâ€"A Mechanism To Prevent Transcriptional Activation by Divalent Metal Ions?. Chemistry - A European Journal, 2019, 25, 15030-15035.	1.7	11
47	Selfâ€assembly of designed coiled coil peptides studied by smallâ€angle Xâ€ray scattering and analytical ultracentrifugation. Journal of Peptide Science, 2013, 19, 283-292.	0.8	10
48	Preferential Interactions and the Effect of Protein PEGylation. PLoS ONE, 2015, 10, e0133584.	1.1	10
49	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
50	Optimization of Hemoglobin Encapsulation within PLGA Nanoparticles and Their Investigation as Potential Oxygen Carriers. Pharmaceutics, 2021, 13, 1958.	2.0	10
51	Electronic states of the fluorophore 9,10-bis(phenylethynyl)anthracene (BPEA). A synchrotron radiation linear dichroism investigation. Chemical Physics Letters, 2013, 559, 35-40.	1.2	9
52	Fine tuning of the catalytic activity of colicin E7 nuclease domain by systematic Nâ€terminal mutations. Protein Science, 2014, 23, 1113-1122.	3.1	9
53	Spectroscopic studies on the effect of high pressure treatment on the soluble protein fraction of porcine longissimus dorsi. Food Chemistry, 2014, 148, 120-123.	4.2	9
54	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

#	Article	IF	Citations
55	Structureâ€“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
56	Modulation of Backbone Flexibility for Effective Dissociation of Antibacterial and Hemolytic Activity in Cyclic Peptides. ACS Medicinal Chemistry Letters, 2016, 7, 741-745.	1.3	8
57	Selfâ€Assembly of DNAâ€“Peptide Supermolecules: Coiledâ€Coil Peptide Structures Templated by <scp>d</scp>â€DNA and <scp>l</scp>â€DNA Triplexes Exhibit Chiralityâ€Independent but Orientationâ€Dependent Stabilizing Cooperativity. Chemistry - A European Journal, 2020, 26, 5676-5684.	1.7	8
58	Metal-Organic Framework-Based Oxygen Carriers with Antioxidant Protection as a Result of a Polydopamine Coating. Biomaterials Science, 2021, 9, 7257-7274.	2.6	8
59	Selected applications of perturbed angular correlation of Î³-rays (PAC) spectroscopy in biochemistry. Hyperfine Interactions, 2010, 197, 255-267.	0.2	7
60	A molecular study of congenital erythropoietic porphyria in cattle. Animal Genetics, 2012, 43, 210-215.	0.6	7
61	Fluorescent Analogues of Human Î±-Calcitonin Gene-Related Peptide with Potent Vasodilator Activity. International Journal of Molecular Sciences, 2020, 21, 1343.	1.8	7
62	Substrate binding activates the designed triple mutant of the colicin E7 metallonuclease. Journal of Biological Inorganic Chemistry, 2014, 19, 1295-1303.	1.1	6
63	Intrinsic protein disorder could be overlooked in cocrystallization conditions: An SRCD case study. Protein Science, 2016, 25, 1977-1988.	3.1	6
64	Electronic transitions of tetrathiafulvalene oriented in polyethylene film. Near and vacuum UV synchrotron radiation polarization spectroscopy. Chemical Physics Impact, 2021, 2, 100009.	1.7	6
65	Specificity of the Metalloregulator CueR for Monovalent Metal Ions: Possible Functional Role of a Coordinated Thiol?. Angewandte Chemie, 2015, 127, 15982-15987.	1.6	5
66	Towards 31Mg-Î²-NMR resonance linewidths adequate for applications in magnesium chemistry. Hyperfine Interactions, 2017, 238, 1.	0.2	5
67	Structural basis of the bacteriophage <scp>TP</scp>901â€1 <scp>CI</scp> repressor dimerization and interaction with <scp>DNA</scp>. FEBS Letters, 2018, 592, 1738-1750.	1.3	5
68	Peroxynitrous acid (ONOOH) modifies the structure of anastellin and influences its capacity to polymerize fibronectin. Redox Biology, 2020, 36, 101631.	3.9	5
69	Formation and Structure of Fluorescent Silver Nanoclusters at Interfacial Binding Sites Facilitating Oligomerization of DNA Hairpins. Angewandte Chemie, 2020, 132, 16225-16231.	1.6	4
70	Tuning Peptide Structure and Function through Fluorobenzene Stapling. Chemistry - A European Journal, 2022, 28, .	1.7	4
71	Construction of Insulin 18â€mer Nanoassemblies Driven by Coordination to Iron(II) and Zinc(II) Ions at Distinct Sites. Angewandte Chemie, 2016, 128, 2424-2427.	1.6	3
72	Iron chelation increases the tolerance of Escherichia coli to hyper-replication stress. Scientific Reports, 2018, 8, 10550.	1.6	3

#	Article	IF	Citations
73	Structure-Activity Study of an All-d Antimicrobial Octapeptide D2D. Molecules, 2019, 24, 4571.	1.7	3
74	Controlling the fractal dimension in self-assembly of terpyridine modified insulin by Fe²⁺ and Eu³⁺ to direct in vivo effects. Nanoscale, 2021, 13, 8467-8473.	2.8	3
75	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. PeerJ, 2017, 5, e3550.	0.9	3
76	Flexible linker modulates the binding affinity of the TP901â€1 CI phage repressor to DNA. FEBS Journal, 2022, 289, 1135-1148.	2.2	3
77	Tying Up a Loose End: On the Role of the Câ€Terminal CCHHRAG Fragment of the Metalloregulator CueR. ChemBioChem, 2022, 23, .	1.3	3
78	A de Novoâ€Designed Monomeric, Compact Threeâ€Helixâ€Bundle Protein on a Carbohydrate Template. ChemBioChem, 2015, 16, 1905-1918.	1.3	2
79	Perturbed angular correlation of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e304" altimg="si117.svg"><mml:msup><mml:mrow /><mml:mrow><mml:mi mathvariant="normal">199m</mml:mi></mml:mrow></mml:msup></mml:math>Hg perturbed angular correlation of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e312" altimg="si10.svg"><mml:mi>Î³</mml:mi></mml:math>-rays spectroscopy. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated E	0.7	2
80	POLARIZATION SPECTROSCOPY OF ORDERED SAMPLES. , 2006, , 689-727.		2
81	Application of204mPb Perturbed Angular Correlation of Î³-rays Spectroscopy in Coordination Chemistry. Inorganic Chemistry, 2012, 51, 1992-1994.	1.9	1
82	UV polarisation spectroscopy of 1,4-diethynylbenzene. Molecular Physics, 2021, 119, .	0.8	1
83	Magnesium(II)â€ATP Complexes in 1â€Ethylâ€3â€Methylimidazolium Acetate Solutions Characterized by 31Mg Î²â€Radiationâ€Detected NMR Spectroscopy. Angewandte Chemie - International Edition, 0, , .	7.2	1
84	Magnesium(II)â€ATP Complexes in 1â€Ethylâ€3â€Methylimidazolium Acetate Solutions Characterized by 31Mg Î²â€Radiationâ€Detected NMR Spectroscopy. Angewandte Chemie, 0, , .	1.6	1
85	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
86	Frontispiece: Câ€terminal Cysteines of CueR Act as Auxiliary Metal Site Ligands upon Hg^{II} Bindingâ€"A Mechanism To Prevent Transcriptional Activation by Divalent Metal Ions?. Chemistry - A European Journal, 2019, 25, .	1.7	0