Jens Dittmer

List of Publications by Year in descending order

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57 papers	2,053 citations	304743 22 h-index	233421 45 g-index
58 all docs	58 docs citations	58 times ranked	2446 citing authors

#	Article	IF	Citations
1	Structural and Oxidation State Changes of the Photosystem II Manganese Complex in Four Transitions of the Water Oxidation Cycle (S0 â†' S1, S1 â†' S2, S2 â†' S3, and S3,4 â†' S0) Characterized by X-ray Absorption Spectroscopy at 20 K and Room Temperature. Biochemistry, 2005, 44, 1894-1908.	2.5	314
2	The tetra-manganese complex of photosystem II during its redox cycle â€“ X-ray absorption results and mechanistic implications. Biochimica Et Biophysica Acta - Bioenergetics, 2001, 1503, 24-39.	1.0	196
3	X-ray Absorption Spectroscopy on Layered Photosystem II Membrane Particles Suggests Manganese-Centered Oxidation of the Oxygen-Evolving Complex for the S0-S1, S1-S2, and S2-S3Transitions of the Water Oxidation Cycleâ€. Biochemistry, 1998, 37, 17112-17119.	2.5	183
4	Instability of Lithium Garnets against Moisture. Structural Characterization and Dynamics of Li_{7-x}H_xLa₃Sn₂O₁₂ and Li_{5-x}H_xLa₃Nb₂O₁₂. Chemistry of Materials, 2012, 24, 3335-3345.	6.7	112
5	Slow Diffusion by Singlet State NMR Spectroscopy. Journal of the American Chemical Society, 2005, 127, 15744-15748.	13.7	102
6	Marennine, Promising Blue Pigments from a Widespread Haslea Diatom Species Complex. Marine Drugs, 2014, 12, 3161-3189.	4.6	81
7	Leadâ€•and Iodideâ€Deficient (CH₃NH₃)PbI₃ (dâ€MAPI): The Bridge between 2D and 3D Hybrid Perovskites. Angewandte Chemie - International Edition, 2017, 56, 16067-16072.	13.8	75
8	Structure and Orientation of the Oxygen-Evolving Manganese Complex of Green Algae and Higher Plants Investigated by X-ray Absorption Linear Dichroism Spectroscopy on Oriented Photosystem II Membrane Particlesâ€. Biochemistry, 1998, 37, 7340-7350.	2.5	67
9	Evidence for Slow Motion in Proteins by Multiple Refocusing of Heteronuclear Nitrogen/Proton Multiple Quantum Coherences in NMR. Journal of the American Chemical Society, 2004, 126, 1314-1315.	13.7	62
10	Incorporation of Antimicrobial Peptides into Membranes: A Combined Liquid-State NMR and Molecular Dynamics Study of Alamethicin in DMPC/DHPC Bicelles. Journal of Physical Chemistry B, 2009, 113, 6928-6937.	2.6	62
11	Stepwise Transition of the Tetra-Manganese Complex of Photosystem II to a Binuclear Mn2(Î¼-O)2 Complex in Response to a Temperature Jump: A Time-Resolved Structural Investigation Employing X-Ray Absorption Spectroscopy. Biophysical Journal, 2003, 84, 1370-1386.	0.5	56
12	Enhanced Stability and Band Gap Tuning of Î±-[HC(NH₂)₂]PbI₃ Hybrid Perovskite by Large Cation Integration. ACS Applied Materials & Interfaces, 2019, 11, 20743-20751.	8.0	52
13	Porous Coordination Polymer Based on Bipyridinium Carboxylate Linkers with High and Reversible Ammonia Uptake. Inorganic Chemistry, 2016, 55, 8587-8594.	4.0	46
14	The effect of pH on the structure and phosphate mobility of casein micelles in aqueous solution. Food Hydrocolloids, 2015, 51, 88-94.	10.7	43
15	The threeâ€dimensional structure of CsmA: A small antenna protein from the green sulfur bacterium Chlorobium tepidum. FEBS Letters, 2008, 582, 2869-2874.	2.8	38
16	An Unusual Intrinsically Disordered Protein from the Model Legume Lotus japonicus Stabilizes Proteins in Vitro. Journal of Biological Chemistry, 2008, 283, 31142-31152.	3.4	37
17	Quantitative Analysis of Constituents in Heavy Fuel Oil by ¹H Nuclear Magnetic Resonance (NMR) Spectroscopy and Multivariate Data Analysis. Energy & Fuels, 2008, 22, 4070-4076.	5.1	36
18	Bromine K-edge EXAFS studies of bromide binding to bromoperoxidase fromAscophyllum nodosum. FEBS Letters, 1999, 457, 237-240.	2.8	35

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19	Early Stages of Amyloid Fibril Formation Studied by Liquid-State NMR: The Peptide Hormone Glucagon. Biophysical Journal, 2008, 95, 366-377.	0.5	33
20	Theory of the Linear Dichroism in the Extended X-ray Absorption Fine Structure (EXAFS) of Partially Vectorially Ordered Systems. Journal of Physical Chemistry B, 1998, 102, 8196-8200.	2.6	31
21	Kinetics of RNA Refolding in Dynamic Equilibrium by1H-Detected15N Exchange NMR Spectroscopy. Journal of the American Chemical Society, 2006, 128, 7579-7587.	13.7	26
22	NMR Solution Structure, Backbone Mobility, and Homology Modeling ofc-Type Cytochromes from Gram-Positive Bacteria. ChemBioChem, 2002, 3, 299-310.	2.6	23
23	Quenching Echo Modulations in NMR Spectroscopy. ChemPhysChem, 2006, 7, 831-836.	2.1	23
24	Structural refinement of the RT LaOF phases by coupling powder X-Ray diffraction,¹⁹F and¹³⁹La solid state NMR and DFT calculations of the NMR parameters. Dalton Transactions, 2015, 44, 20675-20684.	3.3	21
25	Solidâ€State NMR Correlation Experiments and Distance Measurements in Paramagnetic Metalorganics Exemplified by Cuâ€Cyclam. ChemPhysChem, 2013, 14, 1864-1870.	2.1	20
26	Degradation of natural rubber in works of art studied by unilateral NMR and high field NMR spectroscopy. Polymer Degradation and Stability, 2014, 107, 270-276.	5.8	20
27	Electronic active defects and local order in doped ZnO ceramics inferred from EPR and 27Al NMR investigations. Journal of the European Ceramic Society, 2019, 39, 3070-3076.	5.7	20
28	Controllable microstructure tailoring for regulating conductivity in Al-doped ZnO ceramics. Journal of the European Ceramic Society, 2020, 40, 349-354.	5.7	19
29	Similarities between intra- and intermolecular hydrogen bonds in RNA kissing complexes found by means of cross-correlated relaxation. Journal of Biomolecular NMR, 2003, 26, 259-275.	2.8	18
30	Noncovalent Chalcogen Bonds and Disulfide Conformational Change in the Cystamineâ€Based Hybrid Perovskite [H₃N(CH₂)₂SS(CH₂)₂NH₃]Pb^{II}I<sub>4</su European Journal of Inorganic Chemistry, 2014, 2014, 364-376.	2.0	18
31	Bipyridiniumâ€bis(carboxylate) Radical Based Materials: Xâ€ray, EPR and Paramagnetic Solidâ€State NMR Investigations. European Journal of Inorganic Chemistry, 2016, 2016, 1036-1043.	2.0	16
32	Spectroscopy analyses of hybrid unsaturated polyester composite reinforced by Alfa, wool, and thermo-binder fibres. Polymer Science - Series A, 2016, 58, 255-264.	1.0	15
33	Non-invasive characterization of polymeric materials in relation to art conservation using unilateral NMR combined with multivariate data analysis. Analytical Methods, 2013, 5, 4480.	2.7	12
34	Analysis of the local structure of phosphorus-substituted LAMOX oxide ion conductors. Dalton Transactions, 2012, 41, 5696.	3.3	11
35	Leadâ€and Iodideâ€Deficient (CH₃NH₃)PbI₃ (dâ€MAPI): The Bridge between 2D and 3D Hybrid Perovskites. Angewandte Chemie, 2017, 129, 16283-16288.	2.0	11
36	Multiple Refocusing in NMR Spectroscopy: Compensation of Pulse Imperfections by Scalar Couplings. ChemPhysChem, 2004, 5, 1750-1754.	2.1	10

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37	Effect of orthophosphate and calcium on the self assembly of concentrated sodium caseinate solutions. International Dairy Journal, 2017, 64, 1-8.	3.0	10
38	Electrochromic Properties and Electrochemical Behavior of Marennine, a Bioactive Blue-Green Pigment Produced by the Marine Diatom Haslea ostrearia. Marine Drugs, 2021, 19, 231.	4.6	10
39	Coâ€doping effects of (Al, Ti, Mg) on the microstructure and electrical behavior of ZnOâ€based ceramics. Journal of the American Ceramic Society, 2020, 103, 3194-3204.	3.8	9
40	First steps towards time-resolved BioXAS atÂroom temperature: state transitions of theÂmanganese complex of oxygenic photosynthesis. Journal of Synchrotron Radiation, 2002, 9, 304-308.	2.4	8
41	Insight into the factors influencing NMR parameters in crystalline materials from the KFâ€“YF3binary system. Dalton Transactions, 2019, 48, 587-601.	3.3	8
42	The Key Role of the Interface in the Highly Sensitive Mechanochromic Luminescence Properties of Hybrid Perovskites. Angewandte Chemie - International Edition, 2021, 60, 834-839.	13.8	8
43	Solid-state NMR for the study of Asger Jornâ€™s paintings. Microchemical Journal, 2016, 125, 308-314.	4.5	7
44	Microstructure effects on the local order and electronic defects in (Al, Ti, Mg) co-doped ZnO conductive ceramics. Journal of the European Ceramic Society, 2020, 40, 5523-5528.	5.7	6
45	On the influence of multiple scattering contributions to the extended Xâ€ray absorption fine structure (EXAFS) spectra of the photosystem II manganese complex. Zeitschrift Fur Elektrotechnik Und Elektrochemie, 1996, 100, 1993-1998.	0.9	5
46	X-Ray Absorption Linear Dichroism Spectroscopy (XALDS) on the Photosystem II Manganese Complex: Radiation Damage and S₁-State K-edge Spectra. European Physical Journal Special Topics, 1997, 7, C2-607-C2-610.	0.2	5
47	A New Method for Determination of the Edge Position of X-ray Absorption Spectra. , 1998, , 1339-1342.		5
48	Sensitivity enhancement of 29Si double-quantum dipolar recoupling spectroscopy by Carrâ€“Purcellâ€“Meiboomâ€“Gill acquisition method. Chemical Physics Letters, 2009, 478, 287-291.	2.6	4
49	Nuclear magnetic resonance analysis for treatment decisions: The case of a white sculptural environment by Louise Nevelson. Microchemical Journal, 2018, 137, 480-484.	4.5	4
50	Formation of stable phases of the Liâ€“Mnâ€“Co oxide system at 800ÂÂ°C under ambient oxygen pressure. Journal of Solid State Electrochemistry, 2016, 20, 87-94.	2.5	3
51	Microstructural properties and dielectric relaxations of partially fluorinated copolymers. Polymer, 2018, 157, 50-58.	3.8	2
52	The Key Role of the Interface in the Highly Sensitive Mechanochromic Luminescence Properties of Hybrid Perovskites. Angewandte Chemie, 2021, 133, 847-852.	2.0	2
53	Experimental 1H and 13C Solid-State NMR Signal Assignment of Paramagnetic Copper (II) 2-Pyrazine-Carboxylate Complex using Density Functional Theory Calculations. Journal of Physics: Conference Series, 2021, 1819, 012032.	0.4	2
54	Synthesis and Characterization of (FA)₃(HEA)₂Pb₃I₁₁: A Rare Example of <1 1 0>-Oriented Multilayered Halide Perovskites. Chemistry of Materials, 2022, 34, 5780-5790.	6.7	2

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55	Comparison of electron paramagnetic resonance lineshape, orientation and power saturation of the Tyr_D radical from spinach and the green alga Scenedesmus obliquus. Zeitschrift Fur Elektrotechnik Und Elektrochemie, 1996, 100, 1999-2002.	0.9	1
56	CO₂ Capture by Na₂TeO₄: Structure of Na_{2â€“x}H_xTeO₄ and Kinetic Aspects. Inorganic Chemistry, 2019, 58, 8866-8876.	4.0	1
57	Profiles of paint layer samples obtained in the fringe field of a high field magnet by means of very short broadband frequencyâ€modulated pulses. Magnetic Resonance in Chemistry, 2020, 58, 870-879.	1.9	1