

Jens Dittmer

List of Publications by Year in descending order

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57
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304743

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#	ARTICLE	IF	CITATIONS
1	Synthesis and Characterization of (FA) ₃ (HEA) ₂ Pb ₃ I ₁₁ : A Rare Example of Γ -Oriented Multilayered Halide Perovskites. <i>Chemistry of Materials</i> , 2022, 34, 5780-5790.	6.7	2
2	The Key Role of the Interface in the Highly Sensitive Mechanochromic Luminescence Properties of Hybrid Perovskites. <i>Angewandte Chemie</i> , 2021, 133, 847-852.	2.0	2
3	The Key Role of the Interface in the Highly Sensitive Mechanochromic Luminescence Properties of Hybrid Perovskites. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 834-839.	13.8	8
4	Experimental ¹ H and ¹³ C Solid-State NMR Signal Assignment of Paramagnetic Copper (II) 2-Pyrazine-Carboxylate Complex using Density Functional Theory Calculations. <i>Journal of Physics: Conference Series</i> , 2021, 1819, 012032.	0.4	2
5	Electrochromic Properties and Electrochemical Behavior of Marennine, a Bioactive Blue-Green Pigment Produced by the Marine Diatom <i>Haslea ostrearia</i> . <i>Marine Drugs</i> , 2021, 19, 231.	4.6	10
6	Controllable microstructure tailoring for regulating conductivity in Al-doped ZnO ceramics. <i>Journal of the European Ceramic Society</i> , 2020, 40, 349-354.	5.7	19
7	Profiles of paint layer samples obtained in the fringe field of a high field magnet by means of very short broadband frequency-modulated pulses. <i>Magnetic Resonance in Chemistry</i> , 2020, 58, 870-879.	1.9	1
8	Microstructure effects on the local order and electronic defects in (Al, Ti, Mg) co-doped ZnO conductive ceramics. <i>Journal of the European Ceramic Society</i> , 2020, 40, 5523-5528.	5.7	6
9	Co-doping effects of (Al, Ti, Mg) on the microstructure and electrical behavior of ZnO-based ceramics. <i>Journal of the American Ceramic Society</i> , 2020, 103, 3194-3204.	3.8	9
10	Insight into the factors influencing NMR parameters in crystalline materials from the KF ₃ binary system. <i>Dalton Transactions</i> , 2019, 48, 587-601.	3.3	8
11	CO ₂ Capture by Na ₂ TeO ₄ : Structure of Na ₂ H ₂ TeO ₄ and Kinetic Aspects. <i>Inorganic Chemistry</i> , 2019, 58, 8866-8876.	4.0	1
12	Enhanced Stability and Band Gap Tuning of Γ -[HC(NH ₂) ₂] ₂ PbI ₃ Hybrid Perovskite by Large Cation Integration. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 20743-20751.	8.0	52
13	Electronic active defects and local order in doped ZnO ceramics inferred from EPR and ²⁷ Al NMR investigations. <i>Journal of the European Ceramic Society</i> , 2019, 39, 3070-3076.	5.7	20
14	Nuclear magnetic resonance analysis for treatment decisions: The case of a white sculptural environment by Louise Nevelson. <i>Microchemical Journal</i> , 2018, 137, 480-484.	4.5	4
15	Microstructural properties and dielectric relaxations of partially fluorinated copolymers. <i>Polymer</i> , 2018, 157, 50-58.	3.8	2
16	Lead- and Iodide-Deficient (CH ₃ NH ₃)PbI ₃ (MAPI): The Bridge between 2D and 3D Hybrid Perovskites. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 16067-16072.	13.8	75
17	Lead- and Iodide-Deficient (CH ₃ NH ₃)PbI ₃ (MAPI): The Bridge between 2D and 3D Hybrid Perovskites. <i>Angewandte Chemie</i> , 2017, 129, 16283-16288.	2.0	11
18	Effect of orthophosphate and calcium on the self assembly of concentrated sodium caseinate solutions. <i>International Dairy Journal</i> , 2017, 64, 1-8.	3.0	10

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19	Spectroscopy analyses of hybrid unsaturated polyester composite reinforced by Alfa, wool, and thermo-binder fibres. <i>Polymer Science - Series A</i> , 2016, 58, 255-264.	1.0	15
20	Porous Coordination Polymer Based on Bipyridinium Carboxylate Linkers with High and Reversible Ammonia Uptake. <i>Inorganic Chemistry</i> , 2016, 55, 8587-8594.	4.0	46
21	Bipyridinium-bis(carboxylate) Radical Based Materials: X-ray, EPR and Paramagnetic Solid-State NMR Investigations. <i>European Journal of Inorganic Chemistry</i> , 2016, 2016, 1036-1043.	2.0	16
22	Solid-state NMR for the study of Asger Jorn's paintings. <i>Microchemical Journal</i> , 2016, 125, 308-314.	4.5	7
23	Formation of stable phases of the Li-Mn-Co oxide system at 800 °C under ambient oxygen pressure. <i>Journal of Solid State Electrochemistry</i> , 2016, 20, 87-94.	2.5	3
24	Structural refinement of the RT LaOF phases by coupling powder X-Ray diffraction, ¹⁹ F and ¹³⁹ La solid state NMR and DFT calculations of the NMR parameters. <i>Dalton Transactions</i> , 2015, 44, 20675-20684.	3.3	21
25	The effect of pH on the structure and phosphate mobility of casein micelles in aqueous solution. <i>Food Hydrocolloids</i> , 2015, 51, 88-94.	10.7	43
26	Noncovalent Chalcogen Bonds and Disulfide Conformational Change in the Cystamine-Based Hybrid Perovskite [H ₃ N(CH ₂) ₂ SS(CH ₂) ₂ NH ₃] ₂ PbTi ₂ Cl ₄ . <i>European Journal of Inorganic Chemistry</i> , 2014, 2014, 364-376.	2.0	18
27	Degradation of natural rubber in works of art studied by unilateral NMR and high field NMR spectroscopy. <i>Polymer Degradation and Stability</i> , 2014, 107, 270-276.	5.8	20
28	Marennine, Promising Blue Pigments from a Widespread Haslea Diatom Species Complex. <i>Marine Drugs</i> , 2014, 12, 3161-3189.	4.6	81
29	Non-invasive characterization of polymeric materials in relation to art conservation using unilateral NMR combined with multivariate data analysis. <i>Analytical Methods</i> , 2013, 5, 4480.	2.7	12
30	Solid-State NMR Correlation Experiments and Distance Measurements in Paramagnetic Metalorganics Exemplified by Cu-Cyclam. <i>ChemPhysChem</i> , 2013, 14, 1864-1870.	2.1	20
31	Analysis of the local structure of phosphorus-substituted LAMOX oxide ion conductors. <i>Dalton Transactions</i> , 2012, 41, 5696.	3.3	11
32	Instability of Lithium Garnets against Moisture. Structural Characterization and Dynamics of Li ₇ H ₃ La ₃ Sn ₂ O ₁₂ and Li ₅ H ₃ La ₃ Nb ₂ O ₁₂ . <i>Chemistry of Materials</i> , 2012, 24, 3335-3345.	6.7	112
33	Sensitivity enhancement of ²⁹ Si double-quantum dipolar recoupling spectroscopy by Carr-Purcell-Meiboom-Gill acquisition method. <i>Chemical Physics Letters</i> , 2009, 478, 287-291.	2.6	4
34	Incorporation of Antimicrobial Peptides into Membranes: A Combined Liquid-State NMR and Molecular Dynamics Study of Alamethicin in DMPC/DHPC Bicelles. <i>Journal of Physical Chemistry B</i> , 2009, 113, 6928-6937.	2.6	62
35	The three-dimensional structure of CsmA: A small antenna protein from the green sulfur bacterium <i>Chlorobium tepidum</i> . <i>FEBS Letters</i> , 2008, 582, 2869-2874.	2.8	38
36	Early Stages of Amyloid Fibril Formation Studied by Liquid-State NMR: The Peptide Hormone Glucagon. <i>Biophysical Journal</i> , 2008, 95, 366-377.	0.5	33

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37	Quantitative Analysis of Constituents in Heavy Fuel Oil by ^1H Nuclear Magnetic Resonance (NMR) Spectroscopy and Multivariate Data Analysis. <i>Energy & Fuels</i> , 2008, 22, 4070-4076.	5.1	36
38	An Unusual Intrinsically Disordered Protein from the Model Legume <i>Lotus japonicus</i> Stabilizes Proteins In Vitro. <i>Journal of Biological Chemistry</i> , 2008, 283, 31142-31152.	3.4	37
39	Kinetics of RNA Refolding in Dynamic Equilibrium by ^1H -Detected ^{15}N Exchange NMR Spectroscopy. <i>Journal of the American Chemical Society</i> , 2006, 128, 7579-7587.	13.7	26
40	Quenching Echo Modulations in NMR Spectroscopy. <i>ChemPhysChem</i> , 2006, 7, 831-836.	2.1	23
41	Structural and Oxidation State Changes of the Photosystem II Manganese Complex in Four Transitions of the Water Oxidation Cycle ($\text{S}_0 \rightarrow \text{S}_1$, $\text{S}_1 \rightarrow \text{S}_2$, $\text{S}_2 \rightarrow \text{S}_3$, and $\text{S}_{3,4} \rightarrow \text{S}_0$) Characterized by X-ray Absorption Spectroscopy at 20 K and Room Temperature. <i>Biochemistry</i> , 2005, 44, 1894-1908.	2.5	314
42	Slow Diffusion by Singlet State NMR Spectroscopy. <i>Journal of the American Chemical Society</i> , 2005, 127, 15744-15748.	13.7	102
43	Multiple Refocusing in NMR Spectroscopy: Compensation of Pulse Imperfections by Scalar Couplings. <i>ChemPhysChem</i> , 2004, 5, 1750-1754.	2.1	10
44	Evidence for Slow Motion in Proteins by Multiple Refocusing of Heteronuclear Nitrogen/Proton Multiple Quantum Coherences in NMR. <i>Journal of the American Chemical Society</i> , 2004, 126, 1314-1315.	13.7	62
45	Similarities between intra- and intermolecular hydrogen bonds in RNA kissing complexes found by means of cross-correlated relaxation. <i>Journal of Biomolecular NMR</i> , 2003, 26, 259-275.	2.8	18
46	Stepwise Transition of the Tetra-Manganese Complex of Photosystem II to a Binuclear $\text{Mn}_2(\mu_4\text{-O})_2$ Complex in Response to a Temperature Jump: A Time-Resolved Structural Investigation Employing X-Ray Absorption Spectroscopy. <i>Biophysical Journal</i> , 2003, 84, 1370-1386.	0.5	56
47	NMR Solution Structure, Backbone Mobility, and Homology Modeling of <i>ocf</i> -Type Cytochromes from Gram-Positive Bacteria. <i>ChemBioChem</i> , 2002, 3, 299-310.	2.6	23
48	First steps towards time-resolved BioXAS at room temperature: state transitions of the manganese complex of oxygenic photosynthesis. <i>Journal of Synchrotron Radiation</i> , 2002, 9, 304-308.	2.4	8
49	The tetra-manganese complex of photosystem II during its redox cycle – X-ray absorption results and mechanistic implications. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2001, 1503, 24-39.	1.0	196
50	Bromine K-edge EXAFS studies of bromide binding to bromoperoxidase from <i>Ascophyllum nodosum</i> . <i>FEBS Letters</i> , 1999, 457, 237-240.	2.8	35
51	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 Particles. <i>Biochemistry</i> , 1998, 37, 7340-7350.	2.5	67
52	X-ray Absorption Spectroscopy on Layered Photosystem II Membrane Particles Suggests Manganese-Centered Oxidation of the Oxygen-Evolving Complex for the S_0 - S_1 , S_1 - S_2 , and S_2 - S_3 Transitions of the Water Oxidation Cycle. <i>Biochemistry</i> , 1998, 37, 17112-17119.	2.5	183
53	Theory of the Linear Dichroism in the Extended X-ray Absorption Fine Structure (EXAFS) of Partially Vectorially Ordered Systems. <i>Journal of Physical Chemistry B</i> , 1998, 102, 8196-8200.	2.6	31
54	A New Method for Determination of the Edge Position of X-ray Absorption Spectra. , 1998, , 1339-1342.		5

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55	X-Ray Absorption Linear Dichroism Spectroscopy (XALDS) on the Photosystem II Manganese Complex: Radiation Damage and S ₁ -State K-edge Spectra. European Physical Journal Special Topics, 1997, 7, C2-607-C2-610.	0.2	5
56	On the influence of multiple scattering contributions to the extended X-ray absorption fine structure (EXAFS) spectra of the photosystem II manganese complex. Zeitschrift Fur Elektrotechnik Und Elektrochemie, 1996, 100, 1993-1998.	0.9	5
57	Comparison of electron paramagnetic resonance lineshape, orientation and power saturation of the Tyr _D radical from spinach and the green alga <i>Scenedesmus obliquus</i> . Zeitschrift Fur Elektrotechnik Und Elektrochemie, 1996, 100, 1999-2002.	0.9	1