JÃ¶rg Pieper

List of Publications by Year
in descending order

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Version: 2024-02-01

32 papers	793 citations	516710 16 h-index	501196 28 g-index
32 all docs	32 docs citations	32 times ranked	623 citing authors

#	Article	IF	Citations
1	Site Selective and Single Complex Laser-Based Spectroscopies: A Window on Excited State Electronic Structure, Excitation Energy Transfer, and Electronâ€“Phonon Coupling of Selected Photosynthetic Complexes. Chemical Reviews, 2011, 111, 4546-4598.	47.7	138
2	Excitation Wavelength-Dependent Electronâˆ’Phonon and Electronâˆ’Vibrational Coupling in the CP29 Antenna Complex of Green Plants. Journal of Physical Chemistry B, 2008, 112, 110-118.	2.6	84
3	Temperature- and Hydration-Dependent Protein Dynamics in Photosystem II of Green Plants Studied by Quasielastic Neutron Scattering. Biochemistry, 2007, 46, 11398-11409.	2.5	67
4	Excitation energy transfer in intact cells and in the phycobiliprotein antennae of the chlorophyll d containing cyanobacterium Acaryochloris marina. Journal of Plant Physiology, 2011, 168, 1473-1487.	3.5	49
5	Chromophoreâˆ’Chromophore and Chromophoreâˆ’Protein Interactions in Monomeric Light-Harvesting Complex II of Green Plants Studied by Spectral Hole Burning and Fluorescence Line Narrowing. Journal of Physical Chemistry B, 2009, 113, 10870-10880.	2.6	43
6	Protein dynamics investigated by neutron scattering. Photosynthesis Research, 2009, 102, 281-293.	2.9	42
7	Assignment of the Lowest QY-state and Spectral Dynamics of the CP29 Chlorophyll a/b Antenna Complex of Green Plants: A Hole-burning Studyâ€¡. Photochemistry and Photobiology, 2000, 71, 574.	2.5	41
8	Transient Protein Softening during the Working Cycle of a Molecular Machine. Physical Review Letters, 2008, 100, 228103.	7.8	35
9	Reaction pattern of Photosystem II: oxidative water cleavage and protein flexibility. Photosynthesis Research, 2005, 84, 317-323.	2.9	32
10	Protein Dynamics Tunes Excited State Positions in Light-Harvesting Complex II. Journal of Physical Chemistry B, 2015, 119, 3920-3930.	2.6	32
11	Temperature-dependent vibrational and conformational dynamics of photosystem II membrane fragments from spinach investigated by elastic and inelastic neutron scattering. Biochimica Et Biophysica Acta - Bioenergetics, 2012, 1817, 1213-1219.	1.0	25
12	Evaluation of Electronâ€“Phonon Coupling and Spectral Densities of Pigmentâ€“Protein Complexes by Line-Narrowed Optical Spectroscopy. Journal of Physical Chemistry B, 2018, 122, 9289-9301.	2.6	20
13	Rigid versus Flexible Protein Matrix: Light-Harvesting Complex II Exhibits a Temperature-Dependent Phonon Spectral Density. Journal of Physical Chemistry B, 2018, 122, 7111-7121.	2.6	19
14	Solution structure of monomeric and trimeric photosystem I of Thermosynechococcus elongatus investigated by small-angle X-ray scattering. Photosynthesis Research, 2017, 133, 163-173.	2.9	18
15	Solution Structure and Conformational Flexibility in the Active State of the Orange Carotenoid Protein: Part I. Small-Angle Scattering. Journal of Physical Chemistry B, 2019, 123, 9525-9535.	2.6	17
16	Parameters of the Protein Energy Landscapes of Several Light-Harvesting Complexes Probed via Spectral Hole Growth Kinetics Measurements. Journal of Physical Chemistry B, 2011, 115, 2737-2747.	2.6	16
17	Solution Structure and Conformational Flexibility in the Active State of the Orange Carotenoid Protein. Part II: Quasielastic Neutron Scattering. Journal of Physical Chemistry B, 2019, 123, 9536-9545.	2.6	15
18	Solution Structure of the Detergentâ€“Photosystem II Core Complex Investigated by Small-Angle Scattering Techniques. Journal of Physical Chemistry B, 2020, 124, 8583-8592.	2.6	13

#	Article	IF	Citations
19	Lightâ€induced Modulation of Protein Dynamics During the Photocycle of Bacteriorhodopsin^{â€}. Photochemistry and Photobiology, 2009, 85, 590-597.	2.5	11
20	Insights into Solution Structures of Photosynthetic Protein Complexes from Small-Angle Scattering Methods. Crystals, 2021, 11, 203.	2.2	11
21	Flash-Induced Structural Dynamics in Photosystem II Membrane Fragments of Green Plants. Biochemistry, 2009, 48, 6111-6115.	2.5	9
22	Excitation energy transfer in phycobiliproteins of the cyanobacterium Acaryochloris marina investigated by spectral hole burning. Photosynthesis Research, 2017, 133, 225-234.	2.9	8
23	Electronâ€“Phonon and Excitonâ€“Phonon Coupling in Light Harvesting, Insights from Line-Narrowing Spectroscopies. , 2014, , 45-77.		8
24	â€œInvisibleâ€•Detergents Enable a Reliable Determination of Solution Structures of Native Photosystems by Small-Angle Neutron Scattering. Journal of Physical Chemistry B, 2022, 126, 2824-2833.	2.6	8
25	Light-Harvesting Complex II Adopts Different Quaternary Structures in Solution as Observed Using Small-Angle Scattering. Journal of Physical Chemistry Letters, 2022, 13, 1258-1265.	4.6	7
26	Time-resolved quasielastic neutron scattering studies of native photosystems. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2010, 1804, 83-88.	2.3	5
27	Protein and solvent dynamics of the water-soluble chlorophyll-binding protein (WSCP). EPJ Web of Conferences, 2015, 83, 02016.	0.3	5
28	Vibrational dynamics of plant light-harvesting complex LHC II investigated by quasi- and inelastic neutron scattering. EPJ Web of Conferences, 2015, 83, 02004.	0.3	4
29	Picosecond Dynamical Response to a Pressure-Induced Break of the Tertiary Structure Hydrogen Bonds in a Membrane Chromoprotein. Journal of Physical Chemistry B, 2019, 123, 2087-2093.	2.6	4
30	Nature of low-energy exciton levels in light-harvesting complexÂII of green plants as revealed by satellite hole structure. Photosynthesis Research, 2020, 146, 279-285.	2.9	3
31	Assignment of the Lowest QY-state and Spectral Dynamics of the CP29 Chlorophyll a/b Antenna Complex of Green Plants: A Hole-burning Study â€¡. Photochemistry and Photobiology, 2000, 71, 574-581.	2.5	2
32	Lamellar spacing of photosystem II membrane fragments upon dehydration studied by neutron membrane diffraction. Optofluidics, Microfluidics and Nanofluidics, 2015, 2, .	0.5	2