

Juha M Linnanto

List of Publications by Year in descending order

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58
papers

1,621
citations

257450

24
h-index

302126

39
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59
all docs

59
docs citations

59
times ranked

1540
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantum chemical simulation of excited states of chlorophylls, bacteriochlorophylls and their complexes. <i>Physical Chemistry Chemical Physics</i> , 2006, 8, 663-687.	2.8	129
2	Mirror symmetry and vibrational structure in optical spectra of chlorophyll a. <i>Journal of Chemical Physics</i> , 2009, 130, 194501.	3.0	88
3	A model of the protein-pigment baseplate complex in chlorosomes of photosynthetic green bacteria. <i>Photosynthesis Research</i> , 2010, 104, 233-243.	2.9	80
4	Electronic States, Absorption Spectrum and Circular Dichroism Spectrum of the Photosynthetic Bacterial LH2 Antenna of <i>Rhodospseudomonas acidophila</i> as Predicted by Exciton Theory and Semiempirical Calculations. <i>Journal of Physical Chemistry B</i> , 1999, 103, 8739-8750.	2.6	77
5	Investigation on chlorosomal antenna geometries: tube, lamella and spiral-type self-aggregates. <i>Photosynthesis Research</i> , 2008, 96, 227-245.	2.9	76
6	Challenges facing an understanding of the nature of low-energy excited states in photosynthesis. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2016, 1857, 1627-1640.	1.0	74
7	Spectroscopic properties of Mg-chlorin, Mg-porphin and chlorophylls a, b, c1, c2, c3 and d studied by semi-empirical and ab initio MO/CI methods. <i>Physical Chemistry Chemical Physics</i> , 2000, 2, 4962-4970.	2.8	61
8	Energy Transfer in LH2 of <i>Rhodospirillum rubrum</i> , Studied by Subpicosecond Spectroscopy and Configuration Interaction Exciton Calculations. <i>Journal of Physical Chemistry B</i> , 2001, 105, 9849-9856.	2.6	52
9	Supramolecular Chirality in Organogels: A Detailed Spectroscopic, Morphological, and Rheological Investigation of Gels (and Xerogels) Derived from Alkyl Pyrenyl Urethanes. <i>Langmuir</i> , 2010, 26, 16141-16149.	3.5	52
10	Semiempirical PM5 molecular orbital study on chlorophylls and bacteriochlorophylls: Comparison of semiempirical, ab initio, and density functional results. <i>Journal of Computational Chemistry</i> , 2004, 25, 123-138.	3.3	49
11	Superchiral Pd ₃ L ₆ Coordination Complex and Its Reversible Structural Conversion into Pd ₃ L ₃ Cl ₆ Metallocycles. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 15462-15467.	13.8	47
12	Excitation Energy Transfer in Isolated Chlorosomes from <i>Chlorobaculum tepidum</i> and <i>Prosthecochloris aestuarii</i> . <i>Photochemistry and Photobiology</i> , 2012, 88, 675-683.	2.5	43
13	Excitation energy transfer in the LHC-II trimer: a model based on the new 2.72 Å... structure. <i>Photosynthesis Research</i> , 2006, 87, 267-279.	2.9	42
14	Exciton Description of Chlorosome to Baseplate Excitation Energy Transfer in Filamentous Anoxygenic Phototrophs and Green Sulfur Bacteria. <i>Journal of Physical Chemistry B</i> , 2013, 117, 11144-11161.	2.6	40
15	Spectroscopic Properties of Mg-Chlorin, Mg-Bacteriochlorin, and Bacteriochlorophylls a,b,c,d,e,f,g, and h Studied by Semiempirical and Ab Initio MO/CI Methods. <i>Journal of Physical Chemistry A</i> , 2001, 105, 3855-3866.	2.5	39
16	In situ high-resolution structure of the baseplate antenna complex in <i>Chlorobaculum tepidum</i> . <i>Nature Communications</i> , 2016, 7, 12454.	12.8	39
17	Structural and Spectroscopic Properties of Mg-Bacteriochlorin and Methyl Bacteriochlorophylls a,b,g, and h Studied by Semiempirical, ab Initio, and Density Functional Molecular Orbital Methods. <i>Journal of Physical Chemistry A</i> , 2004, 108, 5872-5882.	2.5	37
18	Molecular modeling studies of interactions between sodium polyacrylate polymer and calcite surface. <i>Applied Surface Science</i> , 2013, 276, 43-52.	6.1	36

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19	Quantum Chemical Simulations of Excited-State Absorption Spectra of Photosynthetic Bacterial Reaction Center and Antenna Complexes. <i>Journal of Physical Chemistry B</i> , 2011, 115, 5536-5544.	2.6	33
20	Theoretical study of excitation transfer from modified B800 rings of the LH II antenna complex of <i>Rps. acidophila</i> . <i>Physical Chemistry Chemical Physics</i> , 2002, 4, 3453-3460.	2.8	32
21	Modelling excitonic energy transfer in the photosynthetic unit of purple bacteria. <i>Chemical Physics</i> , 2009, 357, 171-180.	1.9	30
22	Excitation energy transfer in isolated chlorosomes from <i>Chloroflexus aurantiacus</i> . <i>Chemical Physics Letters</i> , 2009, 477, 216-220.	2.6	30
23	E-2-Benzylidenebenzocycloalkanones. IV. Studies on transmission of substituent effects on ¹³ C NMR chemical shifts of E-2-(X-benzylidene)-1-tetralones, and -benzosuberones. Comparison with the ¹³ C NMR data of chalcones and E-2-(X-benzylidene)-1-indanones. <i>Journal of Molecular Structure</i> , 2005, 740, 81-89.	3.6	28
24	E-2-Benzylidenebenzocycloalkanones III. Studies on transmission of substituent effects on IR carbonyl stretching frequencies and ¹³ C NMR chemical shifts of E-2-(X-benzylidene)-1-indanones. Comparison with the IR data of E-2-(X-benzylidene)-1-indanones, -tetralones, and -benzosuberones. <i>Journal of Molecular Structure</i> , 2004, 697, 41-47.	3.6	25
25	Spectroscopic and quantum chemical study of pressure effects on solvated chlorophyll. <i>Chemical Physics Letters</i> , 2004, 394, 80-84.	2.6	23
26	Synthesis, Characterization, and Thermal Behavior of Steroidal Dendrons. <i>European Journal of Organic Chemistry</i> , 2005, 2005, 73-84.	2.4	23
27	Pyrene derived functionalized low molecular weight organic gelators and gels. <i>New Journal of Chemistry</i> , 2008, 32, 1438.	2.8	23
28	Exciton Interactions and Femtosecond Relaxation in Chlorophyll a ⁺ Water and Chlorophyll a ⁺ Dioxane Aggregates. <i>Journal of Physical Chemistry A</i> , 1998, 102, 4337-4349.	2.5	20
29	Dielectric friction effects on rotational reorientation of three cyanine dyes in n-alcohol solutions. <i>Journal of Chemical Physics</i> , 1997, 107, 7601-7612.	3.0	19
30	Controlling Photosynthetic Excitons by Selective Pigment Photooxidation. <i>Journal of Physical Chemistry B</i> , 2019, 123, 29-38.	2.6	18
31	Excitation energy transfer in the LHC-II trimer: from carotenoids to chlorophylls in space and time. <i>Photosynthesis Research</i> , 2011, 107, 195-207.	2.9	17
32	Absorption-emission symmetry breaking and the different origins of vibrational structures of the 1Qy and 1Qx electronic transitions of pheophytin <i>a</i> . <i>Journal of Chemical Physics</i> , 2019, 151, 165102.	3.0	17
33	Bile Acid-Piperazine Diamides: Novel Steroidal Templates in Syntheses of Supramolecular Hosts: Isomeric Pyridine-n-carboxy Containing Dimers and a Cholaphane. <i>Synthesis</i> , 2000, 2000, 1464-1468.	2.3	16
34	Subtle spectral effects accompanying the assembly of bacteriochlorophylls into cyclic light harvesting complexes revealed by high-resolution fluorescence spectroscopy. <i>Journal of Chemical Physics</i> , 2014, 141, 155102.	3.0	16
35	Excitation Energy Transfer in the LH2 Antenna of Photosynthetic Purple Bacteria via Excitonic B800 and B850 States. <i>Journal of the Chinese Chemical Society</i> , 2000, 47, 657-665.	1.4	13
36	Exciton interactions in self-organised bacteriochlorophyll <i>a</i> - aggregates. <i>Physical Chemistry Chemical Physics</i> , 2002, 4, 3061-3070.	2.8	13

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37	Title is missing!. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 1999, 35, 75-84.	1.6	12
38	Dimensionality Variation in Polymeric Metallo-Organic Frameworks. European Journal of Inorganic Chemistry, 2003, 2003, 4078-4086.	2.0	12
39	Higher Order Vibronic Sidebands of Chlorophyll <i>a</i> and Bacteriochlorophyll <i>a</i> for Enhanced Excitation Energy Transfer and Light Harvesting. Journal of Physical Chemistry B, 2019, 123, 7149-7156.	2.6	12
40	¹ H, ¹³ C and ¹⁵ N NMR spectral and theoretical studies of some methyl and alkylamino derivatives of 4-halopyridine N-oxides. Journal of Molecular Structure, 2006, 783, 73-78.	3.6	11
41	Title is missing!. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2000, 37, 121-130.	1.6	10
42	Title is missing!. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2002, 43, 319-327.	1.6	10
43	Study of Mechanisms of Light-Induced Dissociation of Ru(dcbpy)(CO) ₂ I ₂ in Solution down to 20 fs Time Resolution. Journal of Physical Chemistry B, 2005, 109, 17538-17544.	2.6	10
44	Vibronic Origin of the Q _y Absorption Tail of Bacteriochlorophyll <i>a</i> Verified by Fluorescence Excitation Spectroscopy and Quantum Chemical Simulations. Journal of Physical Chemistry Letters, 2017, 8, 4231-4235.	4.6	10
45	³¹ P, ³¹ P- ¹³ C-Bis(n-acetoxyphenylcarboxy)- ⁵ α -cholan-24-oic acid ethane-1,2-diol diesters (n = 2-4): ¹³ C NMR chemical shifts, variable-temperature and NOE ¹ H NMR measurements and MO calculations of novel bile acid-based dimers. Magnetic Resonance in Chemistry, 2000, 38, 877-882.	1.9	9
46	Macrocycles prepared from lithocholic acid, piperazine and isomeric pyridine dicarboxylic acids and their selective affinities towards sodium and potassium. Materials Science and Engineering C, 2001, 18, 21-23.	7.3	9
47	Interactions between cationic amylose derivatives and a pulp fiber model surface studied by molecular modelling. Computational and Theoretical Chemistry, 2007, 819, 1-12.	1.5	8
48	Establishment of the Q _y Absorption Spectrum of Chlorophyll <i>a</i> Extending to Near-Infrared. Molecules, 2020, 25, 3796.	3.8	7
49	Hexagonal Microparticles from Hierarchical Self-Organization of Chiral Trigonal Pd ₃ L ₆ Macrotetracycles. Cell Reports Physical Science, 2021, 2, 100303.	5.6	7
50	Chlorodicyclopentadienylxoniobium(V) complexes revisited: the origin of the asymmetry in the ¹ H- and ¹³ C-NMR spectra, X-ray crystal structures and ab initio/HF and DFT/B3LYP calculations. Journal of Organometallic Chemistry, 2000, 613, 7-12.	1.8	5
51	Molecular modeling studies of interactions between styrene-butadiene latex and sodium polyacrylate polymer surface. Computational and Theoretical Chemistry, 2010, 953, 123-133.	1.5	4
52	Hydrostatic High-Pressure-Induced Denaturation of LH2 Membrane Proteins. Journal of Physical Chemistry B, 2021, 125, 9979-9989.	2.6	4
53	A new potential toxaphene congener: synthesis, GC/EI-MS study, crystal structure, NMR analysis, and ab initio calculations of 3-endo,5-endo-dichloro-7,7-bis-chloromethyl-4-dichloromethyl-tricyclo[2.2.1.0 ^{2,6}]heptane. Chemosphere. 2001, 44, 671-679.	8.2	3
54	Small Hydrocarbon Cyclophanes: Synthesis, X-ray Analysis and Molecular Modelling. European Journal of Organic Chemistry, 2002, 2002, 2935-2941.	2.4	3

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55	Supramolecular chirality and symmetry breaking of fluoride complexes of achiral foldamers. CrystEngComm, 2017, 19, 5184-5187.	2.6	3
56	Electronic Structure of Chlorophyll Monomers and Oligomers. , 0, , .		1
57	Preface of the "Symposium on progress in computational studies of solar light harvesting - Computational approaches to biology". , 2014, , .		0
58	Computation studies into architecture and energy transfer properties of photosynthetic units from filamentous anoxygenic phototrophs. , 2014, , .		0