

Lars-Olof Pålsson

List of Publications by Year in descending order

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67
papers

3,544
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136885

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133188

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69
docs citations

69
times ranked

4682
citing authors

#	ARTICLE	IF	CITATIONS
1	Modulated Fluorescence in LB Films Based on DADQs – A Potential Sensing Surface?. <i>Molecules</i> , 2022, 27, 3893.	1.7	1
2	Applying TADF Emitters in Bioimaging and Sensing – A Novel Approach Using Liposomes for Encapsulation and Cellular Uptake. <i>Frontiers in Chemistry</i> , 2021, 9, 743928.	1.8	4
3	TADF Dye-Loaded Nanoparticles for Fluorescence Live-Cell Imaging. <i>Frontiers in Chemistry</i> , 2020, 8, 404.	1.8	20
4	Rapid time-resolved Circular Polarization Luminescence (CPL) emission spectroscopy. <i>Nature Communications</i> , 2020, 11, 1676.	5.8	48
5	A bacteriophage mimic of the bacterial nucleoid-associated protein Fis. <i>Biochemical Journal</i> , 2020, 477, 1345-1362.	1.7	2
6	In Vitro and in Cellulo Sensing of Transition Metals Using Time-Resolved Fluorescence Spectroscopy and Microscopy. <i>Journal of Fluorescence</i> , 2019, 29, 255-263.	1.3	4
7	Almost complete radiationless energy transfer from excited triplet state of a dim phosphor to a covalently linked adjacent fluorescent dye in purely organic tandem luminophores doped into PVA matrix. <i>Journal of Materials Chemistry C</i> , 2019, 7, 6571-6577.	2.7	8
8	The intracellular immune receptor Rx1 regulates the DNA-binding activity of a Golden2-like transcription factor. <i>Journal of Biological Chemistry</i> , 2018, 293, 3218-3233.	1.6	44
9	A tight tunable range for Ni(II) sensing and buffering in cells. <i>Nature Chemical Biology</i> , 2017, 13, 409-414.	3.9	37
10	The Tomato Nucleotide-binding Leucine-rich Repeat Immune Receptor I-2 Couples DNA-binding to Nucleotide-binding Domain Nucleotide Exchange. <i>Journal of Biological Chemistry</i> , 2016, 291, 1137-1147.	1.6	17
11	The Potato Nucleotide-binding Leucine-rich Repeat (NLR) Immune Receptor Rx1 Is a Pathogen-dependent DNA-deforming Protein. <i>Journal of Biological Chemistry</i> , 2015, 290, 24945-24960.	1.6	36
12	Oligo(<i>p</i> -phenyleneethynylene) (OPE) Molecular Wires: Synthesis and Length Dependence of Photoinduced Charge Transfer in OPEs with Triarylamine and Diaryloxadiazole End Groups. <i>Chemistry - A European Journal</i> , 2015, 21, 3997-4007.	1.7	33
13	Chiral probe development for circularly polarised luminescence: comparative study of structural factors determining the degree of induced CPL with four heptacoordinate europium(III) complexes. <i>Dalton Transactions</i> , 2015, 44, 14937-14951.	1.6	33
14	Induced circularly polarized luminescence arising from anion or protein binding to racemic emissive lanthanide complexes. <i>Methods and Applications in Fluorescence</i> , 2014, 2, 024007.	1.1	38
15	Regiospecific Formation and Unusual Optical Properties of 2,5-Bis(arylethynyl)rhodacyclopentadienes: A New Class of Luminescent Organometallics. <i>Chemistry - A European Journal</i> , 2014, 20, 3652-3666.	1.7	28
16	Ultrafast Dynamics and Computational Studies on Diaminodicyanoquinodimethanes (DADQs). <i>Journal of Physical Chemistry B</i> , 2014, 118, 6815-6828.	1.2	9
17	Responsive microsecond-lifetime photoluminescent probes for analysis of protein kinases and their inhibitors. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2013, 1834, 1330-1335.	1.1	19
18	Colour tuning of blue electroluminescence using bipolar carbazole-oxadiazole molecules in single-active-layer organic light emitting devices (OLEDs). <i>Journal of Materials Chemistry</i> , 2012, 22, 11816.	6.7	79

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19	Liposome-doped hydrogel for implantable tissue. <i>Soft Matter</i> , 2011, 7, 7071.	1.2	23
20	Experimental and Theoretical Studies of the Photophysical Properties of 2- and 2,7-Functionalized Pyrene Derivatives. <i>Journal of the American Chemical Society</i> , 2011, 133, 13349-13362.	6.6	284
21	Efficient Intramolecular Charge Transfer in Oligoynes-Linked Donor-Acceptor Molecules. <i>Chemistry - A European Journal</i> , 2010, 16, 1470-1479.	1.7	49
22	Synthesis, Excited State Dynamics, and Optical Characteristics of Oligophenyl-Based Swivel Cruciforms in Solution and Solid State. <i>Journal of Physical Chemistry B</i> , 2010, 114, 12765-12776.	1.2	5
23	The time domain in co-stained cell imaging: time-resolved emission imaging microscopy using a protonatable luminescent iridium complex. <i>Chemical Communications</i> , 2010, 46, 8743.	2.2	155
24	The Synthesis and One- and Two-Photon Optical Properties of Dipolar, Quadrupolar and Octupolar Donor-Acceptor Molecules Containing Dimesitylboryl Groups. <i>Chemistry - A European Journal</i> , 2009, 15, 198-208.	1.7	196
25	Syntheses, structures, two-photon absorption cross-sections and computed second hyperpolarisabilities of quadrupolar A-A systems containing E-dimesitylborylethenyl acceptors. <i>Journal of Materials Chemistry</i> , 2009, 19, 7532.	6.7	81
26	3-Hydroxypyridine-2-one Complexes of Near-Infrared (NIR) Emitting Lanthanides: Sensitization of Holmium(III) and Praseodymium(III) in Aqueous Solution. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 9500-9503.	7.2	75
27	On the angular dependence of the optical polarization anisotropy in ladder-type polymers. <i>Journal of Chemical Physics</i> , 2008, 128, 044709.	1.2	5
28	Synthesis and characterization of lanthanide complexes of DO3A-alkylphosphonates. <i>Dalton Transactions</i> , 2007, , 5260.	1.6	19
29	Two-photon absorption and photoluminescence of europium based emissive probes for bioactive systems. <i>Dalton Transactions</i> , 2007, , 5726.	1.6	84
30	Direct Conjugation of Semiconductor Nanocrystals to a Globular Protein to Study Protein-Folding Intermediates. <i>Journal of Physical Chemistry B</i> , 2007, 111, 12294-12298.	1.2	33
31	Intramolecular Charge Transfer Assisted by Conformational Changes in the Excited State of Fluorene-dibenzothiophene-S,S-dioxide Co-oligomers. <i>Journal of Physical Chemistry B</i> , 2006, 110, 19329-19339.	1.2	130
32	Polarized optical spectroscopy applied to investigate two poly(phenylene-vinylene) polymers with different side chain structures. <i>Journal of Chemical Physics</i> , 2006, 125, 164701.	1.2	15
33	Molecular Wires Comprising π -Extended Ethynyl- and Butadiynyl-2,5-Diphenyl-1,3,4-Oxadiazole Derivatives: Synthesis, Redox, Structural, and Optoelectronic Properties. <i>Journal of the American Chemical Society</i> , 2006, 128, 3789-3799.	6.6	104
34	Matrix dependence of blue light emission from a novel NH ₂ -functionalized dicyanoquinodimethane derivative. <i>Journal of Physical Organic Chemistry</i> , 2006, 19, 206-213.	0.9	7
35	Guest-host interactions between dichroic dyes and anisotropic hosts. <i>Journal of Luminescence</i> , 2006, 117, 113-122.	1.5	12
36	Absolute Measurements of Photoluminescence Quantum Yields of Solutions Using an Integrating Sphere. <i>Journal of Fluorescence</i> , 2006, 16, 267-273.	1.3	285

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37	Dibenzothiophene-S,S-dioxide-fluorene co-oligomers. Stable, highly-efficient blue emitters with improved electron affinity. <i>Chemical Communications</i> , 2005, , 3397.	2.2	118
38	Influence of Molecular Weight on Self-Organization, Uniaxial Alignment, and Surface Morphology of Hairy-Rodlike Polyfluorene in Thin Films. <i>Journal of Physical Chemistry B</i> , 2004, 108, 10711-10720.	1.2	33
39	Local field and aggregation dependence of the micro- and macroscopic optical non-linearity of zwitterionic molecules. <i>Optical Materials</i> , 2003, 21, 29-37.	1.7	16
40	Diffraction analysis of highly ordered smectic supramolecules of conjugated rodlike polymers. <i>Journal of Applied Crystallography</i> , 2003, 36, 702-707.	1.9	9
41	X-ray Diffraction Studies of Multiple Orientation in Poly(9,9-bis(2-ethylhexyl)fluorene-2,7-diyl) Thin Films. <i>Journal of Physical Chemistry B</i> , 2003, 107, 12425-12430.	1.2	49
42	ORIENTATION AND SOLVATOCHROMISM OF DYES IN LIQUID CRYSTALS. <i>Molecular Crystals and Liquid Crystals</i> , 2003, 402, 43-53.	0.4	13
43	Polarized luminescence from self-assembled, aligned, and cleaved supramolecules of highly ordered rodlike polymers. <i>Applied Physics Letters</i> , 2002, 81, 1489-1491.	1.5	40
44	Investigations of excitation energy transfer and intramolecular interactions in a nitrogen corded distyrylbenzene dendrimer system. <i>Journal of Chemical Physics</i> , 2002, 116, 8893-8903.	1.2	111
45	Synthesis and Excited State Spectroscopy of Tris(distyrylbenzenyl)amine-cored Electroluminescent Dendrimers. <i>Macromolecules</i> , 2002, 35, 7891-7901.	2.2	35
46	Protonation and Subsequent Intramolecular Hydrogen Bonding as a Method to Control Chain Structure and Tune Luminescence in Heteroatomic Conjugated Polymers. <i>Journal of the American Chemical Society</i> , 2002, 124, 6049-6055.	6.6	137
47	Self-assembled, aligned, and cleaved supramolecules of poly(2,5-pyridinediyl). <i>Materials Research Society Symposia Proceedings</i> , 2002, 725, 1.	0.1	1
48	Measurements of Solid-State Photoluminescence Quantum Yields of Films Using a Fluorimeter. <i>Advanced Materials</i> , 2002, 14, 757.	11.1	271
49	Photophysics of a fluorene co-polymer in solution and films. <i>Chemical Physics</i> , 2002, 279, 229-237.	0.9	30
50	Singlet and triplet energy transfer in a benzil-doped, light emitting, solid-state conjugated polymer. <i>Chemical Physics</i> , 2002, 285, 95-101.	0.9	27
51	Pressure dependent radiative quantum yields of the prompt and delayed luminescence of polyfluorene films. <i>Chemical Physics Letters</i> , 2002, 360, 111-116.	1.2	10
52	Time-resolved PL studies of partially conjugated MEH-PPV control of excimer emission. <i>Synthetic Metals</i> , 2001, 119, 575-576.	2.1	8
53	Fluorene co-polymer luminescence: implications for molecular interactions. <i>Synthetic Metals</i> , 2001, 119, 627-628.	2.1	3
54	Matrix dependence of light emission from TCNQ adducts. <i>Journal of Materials Chemistry</i> , 2001, 11, 3053-3062.	6.7	35

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55	Control of polymer-electrode interactions: the effect of leaving group on the optical properties and device characteristics of EHPPV. <i>Journal of Materials Chemistry</i> , 2001, 11, 2228-2231.	6.7	26
56	The solid-state photoluminescent quantum yield of triboluminescent materials. <i>Chemical Physics Letters</i> , 2001, 336, 234-241.	1.2	45
57	Polymeric Alkoxy PBD [2-(4-Biphenyl)-5-Phenyl-1,3,4-Oxadiazole] for Light-Emitting Diodes. <i>Advanced Functional Materials</i> , 2001, 11, 47-50.	7.8	1
58	Fluorescence and Absorption Spectroscopy of the Weakly Fluorescent Chlorophyll a in Cytochrome b6f of <i>Synechocystis</i> PCC6803. <i>Biophysical Journal</i> , 1998, 75, 389-398.	0.2	73
59	Energy Transfer and Charge Separation in Photosystem I: P700 Oxidation Upon Selective Excitation of the Long-Wavelength Antenna Chlorophylls of <i>Synechococcus elongatus</i> . <i>Biophysical Journal</i> , 1998, 74, 2611-2622.	0.2	170
60	Polarized site-selective fluorescence spectroscopy of the long-wavelength emitting chlorophylls in isolated Photosystem I particles of <i>Synechococcus elongatus</i> . <i>Photosynthesis Research</i> , 1996, 48, 239-246.	1.6	100
61	Rapid isolation of photosystem I chlorophyll-binding proteins by anion exchange perfusion chromatography. <i>Photosynthesis Research</i> , 1995, 45, 41-49.	1.6	39
62	Energy transfer in photosystem I. Time resolved fluorescence of the native photosystem I complex and its core complex. <i>Chemical Physics</i> , 1995, 194, 291-302.	0.9	31
63	Ultrafast energy transfer dynamics resolved in isolated spinach light-harvesting complex I and the LHC I-730 subpopulation. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1995, 1230, 1-9.	0.5	27
64	Perfusion Chromatography as a Means for Very Quick Isolation of the Photosystem I Core Complex and Light-Harvesting I Subcomplexes. , 1995, , 1081-1084.		0
65	Ultrafast chlorophyllb-chlorophylla excitation energy transfer in the isolated light harvesting complex, LHC II, of green plants. <i>FEBS Letters</i> , 1994, 339, 134-138.	1.3	54
66	Femtosecond excitation transfer processes in biliprotein trimers. , 1993, 1921, 136.		0
67	Chlorophyll b to chlorophyll a energy transfer in the isolated light-harvesting complex II, LHC II, of green plants. , 1993, , .		0