

Lars-Olof Plsson

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

65
papers

3,151
citations

29
h-index

56
g-index

69
ext. papers

3,372
ext. citations

5.2
avg, IF

4.69
L-index

#	Paper	IF	Citations
65	Absolute measurements of photoluminescence quantum yields of solutions using an integrating sphere. <i>Journal of Fluorescence</i> , 2006 , 16, 267-72	2.4	234
64	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, 13349-62	16.4	229
63	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	4.8	184
62	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, 2611-22	2.9	156
61	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, 8743-5	5.8	143
60	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, 6049-55	16.4	126
59	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, 19329-39 [†]	3.4	121
58	Dibenzothiophene-S,S-dioxide-fluorene co-oligomers. Stable, highly-efficient blue emitters with improved electron affinity. <i>Chemical Communications</i> , 2005 , 3397-9	5.8	110
57	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	3.9	105
56	Molecular wires comprising pi-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, 3789-99	16.4	102
55	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, 239-46 ^{3,7}	3.7	92
54	Two-photon absorption and photoluminescence of europium based emissive probes for bioactive systems. <i>Dalton Transactions</i> , 2007 , 5726-34	4.3	78
53	Syntheses, structures, two-photon absorption cross-sections and computed second hyperpolarisabilities of quadrupolar A ₂ systems containing E-dimesitylborylethenyl acceptors. <i>Journal of Materials Chemistry</i> , 2009 , 19, 7532		76
52	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		75
51	3-Hydroxypyridin-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, 9500-3	16.4	71
50	Fluorescence and absorption spectroscopy of the weakly fluorescent chlorophyll a in cytochrome b6f of <i>Synechocystis</i> PCC6803. <i>Biophysical Journal</i> , 1998 , 75, 389-98	2.9	69
49	Efficient intramolecular charge transfer in oligoyne-linked donor-pi-acceptor molecules. <i>Chemistry - A European Journal</i> , 2010 , 16, 1470-9	4.8	49

48	Ultrafast chlorophyll b-chlorophyll a excitation energy transfer in the isolated light harvesting complex, LHC II, of green plants. Implications for the organisation of chlorophylls. <i>FEBS Letters</i> , 1994 , 339, 134-8	3.8	49
47	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	3.4	46
46	The solid-state photoluminescent quantum yield of triboluminescent materials. <i>Chemical Physics Letters</i> , 2001 , 336, 234-241	2.5	41
45	Polarized luminescence from self-assembled, aligned, and cleaved supramolecules of highly ordered rodlike polymers. <i>Applied Physics Letters</i> , 2002 , 81, 1489-1491	3.4	38
44	Rapid isolation of photosystem I chlorophyll-binding proteins by anion exchange perfusion chromatography. <i>Photosynthesis Research</i> , 1995 , 45, 41-9	3.7	36
43	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	3.4	32
42	Synthesis and Excited State Spectroscopy of Tris(distyrylbenzenyl)amine-cored Electroluminescent Dendrimers. <i>Macromolecules</i> , 2002 , 35, 7891-7901	5.5	31
41	Matrix dependence of light emission from TCNQ adducts. <i>Journal of Materials Chemistry</i> , 2001 , 11, 3053-3062		31
40	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, 24945-60	5.4	30
39	Oligo(p-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	4.8	30
38	Direct conjugation of semiconductor nanocrystals to a globular protein to study protein-folding intermediates. <i>Journal of Physical Chemistry B</i> , 2007 , 111, 12294-8	3.4	30
37	Photophysics of a fluorene co-polymer in solution and films. <i>Chemical Physics</i> , 2002 , 279, 229-237	2.3	29
36	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	2.3	28
35	A tight tunable range for Ni(II) sensing and buffering in cells. <i>Nature Chemical Biology</i> , 2017 , 13, 409-414	11.7	27
34	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, 14937-51	4.3	27
33	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	3.1	27
32	Rapid time-resolved Circular Polarization Luminescence (CPL) emission spectroscopy. <i>Nature Communications</i> , 2020 , 11, 1676	17.4	25
31	Singlet and triplet energy transfer in a benzil-doped, light emitting, solid-state conjugated polymer. <i>Chemical Physics</i> , 2002 , 285, 95-101	2.3	25

30	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	5.4	25
29	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		24
28	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	4.6	24
27	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, 3652-66	4.8	23
26	Liposome-doped hydrogel for implantable tissue. <i>Soft Matter</i> , 2011 , 7, 7071	3.6	19
25	Synthesis and characterization of lanthanide complexes of DO3A-alkylphosphonates. <i>Dalton Transactions</i> , 2007 , 5260-7	4.3	19
24	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, 1137-47	5.4	16
23	Local field and aggregation dependence of the micro- and macroscopic optical non-linearity of zwitterionic molecules. <i>Optical Materials</i> , 2003 , 21, 29-37	3.3	16
22	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	3.9	13
21	TADF Dye-Loaded Nanoparticles for Fluorescence Live-Cell Imaging. <i>Frontiers in Chemistry</i> , 2020 , 8, 404	5	12
20	Responsive microsecond-lifetime photoluminescent probes for analysis of protein kinases and their inhibitors. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2013 , 1834, 1330-5	4	11
19	Guest-host interactions between dichroic dyes and anisotropic hosts. <i>Journal of Luminescence</i> , 2006 , 117, 113-122	3.8	11
18	ORIENTATION AND SOLVATOCHROMISM OF DYES IN LIQUID CRYSTALS. <i>Molecular Crystals and Liquid Crystals</i> , 2003 , 402, 43-53	0.5	11
17	Pressure dependent radiative quantum yields of the prompt and delayed luminescence of polyfluorene films. <i>Chemical Physics Letters</i> , 2002 , 360, 111-116	2.5	10
16	3-Hydroxypyridin-2-one Complexes of Near-Infrared (NIR) Emitting Lanthanides: Sensitization of Holmium(III) and Praseodymium(III) in Aqueous Solution. <i>Angewandte Chemie</i> , 2008 , 120, 9642-9645	3.6	9
15	Ultrafast dynamics and computational studies on diaminodicyanoquinodimethanes (DADQs). <i>Journal of Physical Chemistry B</i> , 2014 , 118, 6815-28	3.4	8
14	Diffraction analysis of highly ordered smectic supramolecules of conjugated rodlike polymers. <i>Journal of Applied Crystallography</i> , 2003 , 36, 702-707	3.8	8
13	Time-resolved PL studies of partially conjugated MEH-PPV control of excimer emission. <i>Synthetic Metals</i> , 2001 , 119, 575-576	3.6	8

12	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	7.1	6
11	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	2.1	6
10	On the angular dependence of the optical polarization anisotropy in ladder-type polymers. <i>Journal of Chemical Physics</i> , 2008 , 128, 044709	3.9	5
9	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, 12765-76	3.4	4
8	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	2.4	2
7	Fluorene co-polymer luminescence: implications for molecular interactions. <i>Synthetic Metals</i> , 2001 , 119, 627-628	3.6	2
6	Self-assembled, aligned, and cleaved supramolecules of poly(2,5-pyridinediyl). <i>Materials Research Society Symposia Proceedings</i> , 2002 , 725, 1		1
5	Polymeric Alkoxy PBD [2-(4-Biphenyl)-5-Phenyl-1,3,4-Oxadiazole] for Light-Emitting Diodes 2001 , 11, 47		1
4	A bacteriophage mimic of the bacterial nucleoid-associated protein Fis. <i>Biochemical Journal</i> , 2020 , 477, 1345-1362	3.8	0
3	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	5	0
2	Femtosecond excitation transfer processes in biliprotein trimers 1993 , 1921, 136		
1	Perfusion Chromatography as a Means for Very Quick Isolation of the Photosystem I Core Complex and Light-Harvesting I Subcomplexes 1995 , 1081-1084		