

# Linda A Peteanu

## List of Publications by Year in descending order

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68  
papers

3,859  
citations

172207

29  
h-index

123241

61  
g-index

70  
all docs

70  
docs citations

70  
times ranked

4634  
citing authors

#	ARTICLE	IF	CITATIONS
1	Red-Light-Induced, Copper-Catalyzed Atom Transfer Radical Polymerization. ACS Macro Letters, 2022, 11, 376-381.	2.3	33
2	Unraveling the Contribution of Residual Monomer to the Emission Spectra of Poly(3-hexylthiophene) Aggregates: Implications for Identifying H- and J-type Coupling. Journal of Physical Chemistry Letters, 2021, 12, 5919-5924.	2.1	4
3	Single and bi-excitonic characteristics of ligand-modified silicon nanoparticles as demonstrated via single particle photon statistics and plasmonic effects. Nanoscale, 2021, 13, 15238-15247.	2.8	2
4	Structural distortion and electron redistribution in dual-emitting gold nanoclusters. Nature Communications, 2020, 11, 2897.	5.8	42
5	A Mono-cuboctahedral Series of Gold Nanoclusters: Photoluminescence Origin, Large Enhancement, Wide Tunability, and Structure-Property Correlation. Journal of the American Chemical Society, 2019, 141, 5314-5325.	6.6	149
6	Effect of local environment on aggregate electronic properties of P3HT. , 2019, , .		0
7	Eliminating Spurious Zero-Efficiency FRET States in Diffusion-Based Single-Molecule Confocal Microscopy. Journal of Physical Chemistry Letters, 2018, 9, 2259-2265.	2.1	4
8	Mechanism of Ligand-Controlled Emission in Silicon Nanoparticles. ACS Nano, 2018, 12, 7232-7238.	7.3	25
9	Rigidity and Polarity Effects on the Electronic Properties of Two Deep Blue Delayed Fluorescence Emitters. Journal of Physical Chemistry C, 2018, 122, 11961-11972.	1.5	13
10	Exciton-Exciton Annihilation as a Probe of Interchain Interactions in PPV Oligomer Aggregates. Journal of Physical Chemistry B, 2017, 121, 1707-1714.	1.2	11
11	Theoretical Investigations on the Roles of Intramolecular Structure Distortion versus Irregular Intermolecular Packing in Optical Spectra of 6T Nanoparticles. Chemistry of Materials, 2017, 29, 2513-2520.	3.2	19
12	Detection of Ultralow Concentrations of Non-emissive Conjugated Polymer Aggregates via Fluorescence Correlation Spectroscopy. Journal of Physical Chemistry B, 2017, 121, 5413-5421.	1.2	10
13	Spectroscopic and MD Study of Dynamic and Structural Heterogeneities in Ionic Liquids. Journal of Physical Chemistry B, 2017, 121, 1100-1107.	1.2	18
14	Effects of plasmonic metal films on the emission properties of organic films. , 2017, , .		0
15	Mechanism of fluorescent silicon nanoparticles. , 2017, , .		0
16	Single molecule study of silicon quantum dots. Proceedings of SPIE, 2016, , .	0.8	1
17	The role of local environment on the electronic properties of a novel blue-emitting donor-acceptor compound. , 2016, , .		0
18	Effects of plasmonic substrates on the photo-stability of organic polymer. Proceedings of SPIE, 2016, , .	0.8	1

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19	Mechanism of Photoinduced Metal-Free Atom Transfer Radical Polymerization: Experimental and Computational Studies. <i>Journal of the American Chemical Society</i> , 2016, 138, 2411-2425.	6.6	384
20	Effect of metal films on the photostabilities of emissive organic layers as probed by fluorescence microscopy. <i>Proceedings of SPIE</i> , 2015, , .	0.8	0
21	Dynamic features of rod-shaped Au nanoclusters. <i>Proceedings of SPIE</i> , 2015, , .	0.8	0
22	Modeling electric field-induced quenching in conjugated polymers and oligomers. <i>Proceedings of SPIE</i> , 2015, , .	0.8	1
23	Modeling Field-Induced Quenching in Poly( <i>p</i> -phenylene vinylene) Polymers and Oligomers. <i>Journal of Physical Chemistry B</i> , 2015, 119, 7625-7634.	1.2	4
24	Electronic and optical properties of novel carbazole-based donor-acceptor compounds for applications in blue-emitting organic light-emitting diodes. , 2015, , .		0
25	The optical properties of conjugated materials and their aggregates: towards imaging of films and devices. <i>Proceedings of SPIE</i> , 2014, , .	0.8	0
26	The Effects of Side-Chain-Induced Disorder on the Emission Spectra and Quantum Yields of Oligothiophene Nanoaggregates: A Combined Experimental and MD-TDDFT Study. <i>Journal of Physical Chemistry A</i> , 2014, 118, 10464-10473.	1.1	14
27	Effects of Solvent Properties on the Spectroscopy and Dynamics of Alkoxy-Substituted PPV Oligomer Aggregates. <i>Journal of Physical Chemistry B</i> , 2012, 116, 10504-10513.	1.2	28
28	Visualizing Core-Shell Structure in Substituted PPV Oligomer Aggregates Using Fluorescence Lifetime Imaging Microscopy (FLIM). <i>Journal of Physical Chemistry C</i> , 2011, 115, 15607-15616.	1.5	27
29	Fluorescent DNA Nanotags Featuring Covalently Attached Intercalating Dyes: Synthesis, Antibody Conjugation, and Intracellular Imaging. <i>Bioconjugate Chemistry</i> , 2011, 22, 1491-1502.	1.8	27
30	Wavelength Dependence of the Fluorescence Quenching Efficiency of Nearby Dyes by Gold Nanoclusters and Nanoparticles: The Roles of Spectral Overlap and Particle Size. <i>Journal of Physical Chemistry C</i> , 2011, 115, 20105-20112.	1.5	61
31	pH-Responsive Fluorescent Molecular Bottlebrushes Prepared by Atom Transfer Radical Polymerization. <i>Macromolecules</i> , 2011, 44, 5905-5910.	2.2	61
32	Electric-Field-Induced Fluorescence Quenching in Polyfluorene, Ladder-Type Polymers, and MEH-PPV: Evidence for Field Effects on Internal Conversion Rates in the Low Concentration Limit. <i>Journal of Physical Chemistry B</i> , 2010, 114, 14430-14439.	1.2	19
33	Chain Length and Substituent Effects on the Formation of Excimer-Like States in Nanoaggregates of CN-PPV Model Oligomers. <i>Journal of Physical Chemistry C</i> , 2010, 114, 12078-12089.	1.5	19
34	Electroabsorption of Dimers Containing MM (M = Mo, W) Quadruply Bonded Units: Insights into the Electronic Structure of Neutral Coupled Redox Centers and Their Relationship with Mixed Valence Ions. <i>Inorganic Chemistry</i> , 2010, 49, 3706-3713.	1.9	8
35	Aggregation Effects on the Emission Spectra and Dynamics of Model Oligomers of MEH-PPV. <i>Journal of Physical Chemistry C</i> , 2009, 113, 18851-18862.	1.5	71
36	Electric Field Effects on Internal Conversion: An Alternative Mechanism for Field-Induced Fluorescence Quenching of MEH-PPV and Its Oligomers in the Low Concentration Limit. <i>Journal of Physical Chemistry C</i> , 2007, 111, 10119-10129.	1.5	13

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37	Light-Induced Reversible Formation of Polymeric Micelles. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 2453-2457.	7.2	368
38	Biodegradable Nanogels Prepared by Atom Transfer Radical Polymerization as Potential Drug Delivery Carriers: A Synthesis, Biodegradation, in Vitro Release, and Bioconjugation. <i>Journal of the American Chemical Society</i> , 2007, 129, 5939-5945.	6.6	449
39	Electrofluorescence of MEH-PPV and Its Oligomers: Evidence for Field-Induced Fluorescence Quenching of Single Chains. <i>Journal of Physical Chemistry B</i> , 2006, 110, 7732-7742.	1.2	23
40	Fluorescent PNA Probes as Hybridization Labels for Biological RNA. <i>Biochemistry</i> , 2006, 45, 6066-6074.	1.2	41
41	Excited-State Localization in a 3-Fold-Symmetric Molecule as Probed by Electroabsorption Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2004, 108, 16834-16840.	1.2	30
42	Effects of Disorder-Induced Symmetry Breaking on the Electroabsorption Properties of a Model Dendrimer. <i>Journal of Physical Chemistry B</i> , 2004, 108, 16841-16849.	1.2	12
43	Stark Spectroscopy of Size-Selected Helical H-Aggregates of a Cyanine Dye Templated by Duplex DNA. Effect of Exciton Coupling on Electronic Polarizabilities. <i>Journal of Physical Chemistry A</i> , 2003, 107, 3351-3362.	1.1	31
44	The Effects of Structural and Microenvironmental Disorder on the Electronic Properties of Poly[2-methoxy,5-(2-ethyl-hexoxy)-1,4-phenylene vinylene] (MEH-PPV) and Related Oligomers. <i>Journal of Physical Chemistry B</i> , 2003, 107, 5133-5143.	1.2	39
45	The Electronic Properties of a Model Active Site for Blue Copper Proteins as Probed by Stark Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2002, 106, 3007-3012.	1.2	15
46	Electronic properties of small model compounds that undergo excited-state intramolecular proton transfer as measured by electroabsorption spectroscopy. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2002, 154, 69-79.	2.0	5
47	Characterization of Chiral H and J Aggregates of Cyanine Dyes Formed by DNA Templating Using Stark and Fluorescence Spectroscopies. <i>Journal of Physical Chemistry B</i> , 2001, 105, 12196-12201.	1.2	90
48	Electronic properties of the conducting form of polyaniline from electroabsorption measurements. <i>Synthetic Metals</i> , 2001, 116, 157-161.	2.1	15
49	Stark Spectroscopic Studies of Blue Copper Proteins: Azurin. <i>Journal of Physical Chemistry B</i> , 2001, 105, 527-534.	1.2	13
50	Conformational effects on optical charge transfer in the emeraldine base form of polyaniline from electroabsorption measurements and semiempirical calculations. <i>Journal of Chemical Physics</i> , 2001, 115, 4359-4366.	1.2	20
51	Metal-to-ligand charge transfer absorption in a rhenium(I) complex that contains a $\pi$ -conjugated bipyridine acceptor ligand. <i>Chemical Physics Letters</i> , 2001, 339, 255-262.	1.2	35
52	Matrix and Temperature Effects on the Electronic Properties of Conjugated Molecules: An Electroabsorption Study of all-trans-Retinal. <i>Journal of Physical Chemistry B</i> , 2000, 104, 5816-5824.	1.2	30
53	Dipolar Properties of and Temperature Effects on the Electronic States of 3-Hydroxyflavone (3HF) Determined using Stark-Effect Spectroscopy and Compared to Electronic Structure Calculations. <i>Journal of Physical Chemistry A</i> , 1999, 103, 7506-7514.	1.1	48
54	Calculation of Ground and Excited State Polarizabilities of Unsubstituted and Donor/Acceptor Polyenes: A Comparison of the Finite-Field and Sum-Over-States Methods. <i>Journal of Physical Chemistry A</i> , 1999, 103, 2197-2201.	1.1	39

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55	Effects of Matrix Temperature and Rigidity on the Electronic Properties of Solvatochromic Molecules: Electroabsorption of Coumarin 153. <i>Journal of Physical Chemistry A</i> , 1999, 103, 9614-9625.	1.1	65
56	Electroabsorption measurements and ab initio calculations of the dipolar properties of 2-(2-hydroxyphenyl)-benzothiazole and -benzoxazole: two photostabilizers that undergo excited-state proton transfer. <i>Chemical Physics Letters</i> , 1998, 296, 521-529.	1.2	32
57	Investigation of the Relationship between Dipolar Properties and Cis-Trans Configuration in Retinal Polyenes: A Comparative Study Using Stark Spectroscopy and Semiempirical Calculations. <i>Journal of Physical Chemistry B</i> , 1998, 102, 4240-4246.	1.2	55
58	Stark spectroscopy of an excited-state proton-transfer molecule: comparison of experimental and computational results for o-hydroxyacetophenone. <i>Chemical Physics Letters</i> , 1997, 274, 79-84.	1.2	8
59	Theory of dynamic absorption spectroscopy of nonstationary states. 4. Application to 12-fs resonant impulsive Raman spectroscopy of bacteriorhodopsin. <i>The Journal of Physical Chemistry</i> , 1992, 96, 6147-6158.	2.9	220
60	Resonance Raman intensity analysis of the excited-state proton transfer in 2-hydroxyacetophenone. <i>The Journal of Physical Chemistry</i> , 1992, 96, 6910-6916.	2.9	76
61	Direct observation of fast proton transfer: femtosecond photophysics of 3-hydroxyflavone. <i>The Journal of Physical Chemistry</i> , 1992, 96, 3591-3598.	2.9	246
62	The electronic spectra of the pyrimidine bases uracil and thymine in a supersonic molecular beam. <i>Chemical Physics Letters</i> , 1988, 147, 538-543.	1.2	152
63	Spectroscopy of complexes of tryptamine and 3-indolepropionic acid with various solvents. <i>The Journal of Physical Chemistry</i> , 1988, 92, 6554-6561.	2.9	72
64	The electronic spectrum of the amino acid tryptophan in the gas phase. <i>Journal of Chemical Physics</i> , 1986, 84, 2534-2541.	1.2	237
65	Electronic spectroscopy of tryptophan analogs in supersonic jets: indole acetic acid, indole propionic acid, tryptamine, and N-acetyl tryptophan ethyl ester. <i>Journal of Chemical Physics</i> , 1986, 84, 6539-6549.	1.2	96
66	Electronic spectrum of the amino acid tryptophan cooled in a supersonic molecular beam. <i>Journal of Chemical Physics</i> , 1985, 83, 4819-4820.	1.2	111
67	Apo E-mediated uptake and degradation of normal very low density lipoproteins by human monocyte/macrophages: A saturable pathway distinct from the LDL receptor. <i>Biochemical and Biophysical Research Communications</i> , 1985, 126, 578-586.	1.0	48
68	Investigating the impact of regiochemistry in ester functionalized polyfurans. <i>Journal of Polymer Science</i> , 0, , .	2.0	2