Linda A Peteanu

List of Publications by Year
in descending order

68	3,859	172207	123241
papers	citations	29 h-index	61 g-index

70	70	70	4634
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Biodegradable Nanogels Prepared by Atom Transfer Radical Polymerization as Potential Drug Delivery Carriers:Â Synthesis, Biodegradation, in Vitro Release, and Bioconjugation. Journal of the American Chemical Society, 2007, 129, 5939-5945.	6.6	449
2	Mechanism of Photoinduced Metal-Free Atom Transfer Radical Polymerization: Experimental and Computational Studies. Journal of the American Chemical Society, 2016, 138, 2411-2425.	6.6	384
3	Light-Induced Reversible Formation of Polymeric Micelles. Angewandte Chemie - International Edition, 2007, 46, 2453-2457.	7.2	368
4	Direct observation of fast proton transfer: femtosecond photophysics of 3-hydroxyflavone. The Journal of Physical Chemistry, 1992, 96, 3591-3598.	2.9	246
5	The electronic spectrum of the amino acid tryptophan in the gas phase. Journal of Chemical Physics, 1986, 84, 2534-2541.	1.2	237
6	Theory of dynamic absorption spectroscopy of nonstationary states. 4. Application to 12-fs resonant impulsive Raman spectroscopy of bacteriorhodopsin. The Journal of Physical Chemistry, 1992, 96, 6147-6158.	2.9	220
7	The electronic spectra of the pyrimidine bases uracil and thymine in a supersonic molecular beam. Chemical Physics Letters, 1988, 147, 538-543.	1.2	152
8	A Mono-cuboctahedral Series of Gold Nanoclusters: Photoluminescence Origin, Large Enhancement, Wide Tunability, and Structureâ€“Property Correlation. Journal of the American Chemical Society, 2019, 141, 5314-5325.	6.6	149
9	Electronic spectrum of the amino acid tryptophan cooled in a supersonic molecular beam. Journal of Chemical Physics, 1985, 83, 4819-4820.	1.2	111
10	Electronic spectroscopy of tryptophan analogs in supersonic jets: 3â€indole acetic acid, 3â€indole propionic acid, tryptamine, and Nâ€acetyl tryptophan ethyl ester. Journal of Chemical Physics, 1986, 84, 6539-6549.	1.2	96
11	Characterization of Chiral H and J Aggregates of Cyanine Dyes Formed by DNA Templating Using Stark and Fluorescence Spectroscopies. Journal of Physical Chemistry B, 2001, 105, 12196-12201.	1.2	90
12	Resonance Raman intensity analysis of the excited-state proton transfer in 2-hydroxyacetophenone. The Journal of Physical Chemistry, 1992, 96, 6910-6916.	2.9	76
13	Spectroscopy of complexes of tryptamine and 3-indolepropionic acid with various solvents. The Journal of Physical Chemistry, 1988, 92, 6554-6561.	2.9	72
14	Aggregation Effects on the Emission Spectra and Dynamics of Model Oligomers of MEH-PPV. Journal of Physical Chemistry C, 2009, 113, 18851-18862.	1.5	71
15	Effects of Matrix Temperature and Rigidity on the Electronic Properties of Solvatochromic Molecules:Â Electroabsorption of Coumarin 153. Journal of Physical Chemistry A, 1999, 103, 9614-9625.	1.1	65
16	Wavelength Dependence of the Fluorescence Quenching Efficiency of Nearby Dyes by Gold Nanoclusters and Nanoparticles: The Roles of Spectral Overlap and Particle Size. Journal of Physical Chemistry C, 2011, 115, 20105-20112.	1.5	61
17	pH-Responsive Fluorescent Molecular Bottlebrushes Prepared by Atom Transfer Radical Polymerization. Macromolecules, 2011, 44, 5905-5910.	2.2	61
18	Investigation of the Relationship between Dipolar Properties and Cisâ^'Trans Configuration in Retinal Polyenes:Â A Comparative Study Using Stark Spectroscopy and Semiempirical Calculations. Journal of Physical Chemistry B, 1998, 102, 4240-4246.	1.2	55

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19	Apo E-mediated uptake and degradation of normal very low density lipoproteins by human monocyte/macrophages: A saturable pathway distinct from the LDL receptor. Biochemical and Biophysical Research Communications, 1985, 126, 578-586.	1.0	48
20	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. Journal of Physical Chemistry A, 1999, 103, 7506-7514.	1.1	48
21	Structural distortion and electron redistribution in dual-emitting gold nanoclusters. Nature Communications, 2020, 11, 2897.	5.8	42
22	Fluorescent PNA Probes as Hybridization Labels for Biological RNAâ€. Biochemistry, 2006, 45, 6066-6074.	1.2	41
23	Calculation of Ground and Excited State Polarizabilities of Unsubstituted and Donor/Acceptor Polyenes:â€‰ A Comparison of the Finite-Field and Sum-Over-States Methods. Journal of Physical Chemistry A, 1999, 103, 2197-2201.	1.1	39
24	The Effects of Structural and Microenvironmental Disorder on the Electronic Properties of Poly[2-methoxy,5-(2â€˜-ethyl-hexoxy)-1,4-phenylene vinylene] (MEHâ€˜PPV) and Related Oligomers. Journal of Physical Chemistry B, 2003, 107, 5133-5143.	1.2	39
25	Metal-to-ligand charge transfer absorption in a rhenium(I) complex that contains a Ï€-conjugated bipyridine acceptor ligand. Chemical Physics Letters, 2001, 339, 255-262.	1.2	35
26	Red-Light-Induced, Copper-Catalyzed Atom Transfer Radical Polymerization. ACS Macro Letters, 2022, 11, 376-381.	2.3	33
27	Electroabsorption measurements and ab initio calculations of the dipolar properties of 2-(2â€²-hydroxyphenyl)-benzothiazole and -benzoxazole: two photostabilizers that undergo excited-state proton transfer. Chemical Physics Letters, 1998, 296, 521-529.	1.2	32
28	Stark Spectroscopy of Size-Selected Helical H-Aggregates of a Cyanine Dye Templated by Duplex DNA. Effect of Exciton Coupling on Electronic Polarizabilitiesâ€. Journal of Physical Chemistry A, 2003, 107, 3351-3362.	1.1	31
29	Matrix and Temperature Effects on the Electronic Properties of Conjugated Molecules:Â An Electroabsorption Study ofall-trans-Retinal. Journal of Physical Chemistry B, 2000, 104, 5816-5824.	1.2	30
30	Excited-State Localization in a 3-Fold-Symmetric Molecule as Probed by Electroabsorption Spectroscopy. Journal of Physical Chemistry B, 2004, 108, 16834-16840.	1.2	30
31	Effects of Solvent Properties on the Spectroscopy and Dynamics of Alkoxy-Substituted PPV Oligomer Aggregates. Journal of Physical Chemistry B, 2012, 116, 10504-10513.	1.2	28
32	Visualizing Coreâ€“Shell Structure in Substituted PPV Oligomer Aggregates Using Fluorescence Lifetime Imaging Microscopy (FLIM). Journal of Physical Chemistry C, 2011, 115, 15607-15616.	1.5	27
33	Fluorescent DNA Nanotags Featuring Covalently Attached Intercalating Dyes: Synthesis, Antibody Conjugation, and Intracellular Imaging. Bioconjugate Chemistry, 2011, 22, 1491-1502.	1.8	27
34	Mechanism of Ligand-Controlled Emission in Silicon Nanoparticles. ACS Nano, 2018, 12, 7232-7238.	7.3	25
35	Electrofluorescence of MEH-PPV and Its Oligomers:â€‰ Evidence for Field-Induced Fluorescence Quenching of Single Chains. Journal of Physical Chemistry B, 2006, 110, 7732-7742.	1.2	23
36	Conformational effects on optical charge transfer in the emeraldine base form of polyaniline from electroabsorption measurements and semiempirical calculations. Journal of Chemical Physics, 2001, 115, 4359-4366.	1.2	20

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37	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. Journal of Physical Chemistry B, 2010, 114, 14430-14439.	1.2	19
38	Chain Length and Substituent Effects on the Formation of Excimer-Like States in Nanoaggregates of CN-PPV Model Oligomers. Journal of Physical Chemistry C, 2010, 114, 12078-12089.	1.5	19
39	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
40	Spectroscopic and MD Study of Dynamic and Structural Heterogeneities in Ionic Liquids. Journal of Physical Chemistry B, 2017, 121, 1100-1107.	1.2	18
41	Electronic properties of the conducting form of polyaniline from electroabsorption measurements. Synthetic Metals, 2001, 116, 157-161.	2.1	15
42	The Electronic Properties of a Model Active Site for Blue Copper Proteins as Probed by Stark Spectroscopy. Journal of Physical Chemistry B, 2002, 106, 3007-3012.	1.2	15
43	The Effects of Side-Chain-Induced Disorder on the Emission Spectra and Quantum Yields of Oligothiophene Nanoaggregates: A Combined Experimental and MD-TDDFT Study. Journal of Physical Chemistry A, 2014, 118, 10464-10473.	1.1	14
44	Stark Spectroscopic Studies of Blue Copper Proteins:Â Azurin. Journal of Physical Chemistry B, 2001, 105, 527-534.	1.2	13
45	Electric Field Effects on Internal Conversion:â€‰An Alternative Mechanism for Field-Induced Fluorescence Quenching of MEH-PPV and Its Oligomers in the Low Concentration Limit. Journal of Physical Chemistry C, 2007, 111, 10119-10129.	1.5	13
46	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
47	Effects of Disorder-Induced Symmetry Breaking on the Electroabsorption Properties of a Model Dendrimer. Journal of Physical Chemistry B, 2004, 108, 16841-16849.	1.2	12
48	Excitonâ€“Exciton Annihilation as a Probe of Interchain Interactions in PPVâ€“Oligomer Aggregates. Journal of Physical Chemistry B, 2017, 121, 1707-1714.	1.2	11
49	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
50	Stark spectroscopy of an excited-state proton-transfer molecule: comparison of experimental and computational results for o-hydroxyacetophenone. Chemical Physics Letters, 1997, 274, 79-84.	1.2	8
51	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. Inorganic Chemistry, 2010, 49, 3706-3713.	1.9	8
52	Electronic properties of small model compounds that undergo excited-state intramolecular proton transfer as measured by electroabsorption spectroscopy. Journal of Photochemistry and Photobiology A: Chemistry, 2002, 154, 69-79.	2.0	5
53	Modeling Field-Induced Quenching in Poly(p-phenylene vinylene) Polymers and Oligomers. Journal of Physical Chemistry B, 2015, 119, 7625-7634.	1.2	4
54	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

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55	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
56	Investigating the impact of regiochemistry in ester functionalized polyfurans. Journal of Polymer Science, 0, , .	2.0	2
57	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
58	Modeling electric field-induced quenching in conjugated polymers and oligomers. Proceedings of SPIE, 2015, , .	0.8	1
59	Single molecule study of silicon quantum dots. Proceedings of SPIE, 2016, , .	0.8	1
60	Effects of plasmonic substrates on the photo-stability of organic polymer. Proceedings of SPIE, 2016, , .	0.8	1
61	The optical properties of conjugated materials and their aggregates: towards imaging of films and devices. Proceedings of SPIE, 2014, , .	0.8	0
62	Effect of metal films on the photostabilities of emissive organic layers as probed by fluorescence microscopy. Proceedings of SPIE, 2015, , .	0.8	0
63	Dynamic features of rod-shaped Au nanoclusters. Proceedings of SPIE, 2015, , .	0.8	0
64	Electronic and optical properties of novel carbazole-based donor-acceptor compounds for applications in blue-emitting organic light-emitting diodes. , 2015, , .		0
65	The role of local environment on the electronic properties of a novel blue-emitting donor-acceptor compound. , 2016, , .		0
66	Effects of plasmonic metal films on the emission properties of organic films. , 2017, , .		0
67	Mechanism of fluorescent silicon nanoparticles. , 2017, , .		0
68	Effect of local environment on aggregate electronic properties of P3HT. , 2019, , .		0