Andrew P Shreve

List of Publications by Year
in descending order

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61	2,377	186265 28	206112 48
papers	citations	h-index	g-index

62	62	62	3397
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Building a community to engineer synthetic cells and organelles from the bottom-up. ELife, 2021, 10, .	6.0	27
2	Single-Cell Response to the Rigidity of Semiconductor Nanomembranes on Compliant Substrates. ACS Applied Materials & Interfaces, 2020, 12, 10697-10705.	8.0	1
3	Centrifugal Generation of Droplet-Based 3D Cell Cultures. SLAS Technology, 2020, 25, 436-445.	1.9	12
4	Oil-Free Acoustofluidic Droplet Generation for Multicellular Tumor Spheroid Culture. ACS Applied Bio Materials, 2019, 2, 4097-4105.	4.6	15
5	Predictive modeling of broad wavelength light-harvesting performance in assemblies of multiple chromophores. Journal of Photochemistry and Photobiology A: Chemistry, 2018, 367, 105-114.	3.9	5
6	Multiplexed Lipid Bilayers on Silica Microspheres for Analytical Screening Applications. Analytical Chemistry, 2017, 89, 6440-6447.	6.5	3
7	Line-Focused Optical Excitation of Parallel Acoustic Focused Sample Streams for High Volumetric and Analytical Rate Flow Cytometry. Analytical Chemistry, 2017, 89, 9967-9975.	6.5	23
8	A Microsphere-Supported Lipid Bilayer Platform for DNA Reactions on a Fluid Surface. ACS Applied Materials & Interfaces, 2017, 9, 30185-30195.	8.0	6
9	Method for measuring the unbinding energy of strongly-bound membrane-associated proteins. Biochimica Et Biophysica Acta - Biomembranes, 2016, 1858, 2753-2762.	2.6	2
10	Diblock Copolymer Micelles and Supported Films with Noncovalently Incorporated Chromophores: A Modular Platform for Efficient Energy Transfer. Nano Letters, 2015, 15, 2422-2428.	9.1	23
11	Self-Assembled Light-Harvesting System from Chromophores in Lipid Vesicles. Journal of Physical Chemistry B, 2015, 119, 10231-10243.	2.6	35
12	DNA-assisted photoinduced charge transfer between a cationic poly(phenylene vinylene) and a cationic fullerene. Physical Chemistry Chemical Physics, 2015, 17, 15675-15678.	2.8	4
13	Lipid Membrane Domains for the Selective Adsorption and Surface Patterning of Conjugated Polyelectrolytes. Langmuir, 2013, 29, 5214-5221.	3.5	5
14	Quantum Interference between the Third and Fourth Exciton States in Semiconducting Carbon Nanotubes Using Resonance Raman Spectroscopy. Physical Review Letters, 2012, 108, 117404.	7.8	20
15	Effects of Solvent Properties on the Spectroscopy and Dynamics of Alkoxy-Substituted PPV Oligomer Aggregates. Journal of Physical Chemistry B, 2012, 116, 10504-10513.	2.6	28
16	A DNA-templated fluorescent silver nanocluster with enhanced stability. Nanoscale, 2012, 4, 4107.	5.6	160
17	Bright two-photon emission and ultra-fast relaxation dynamics in a DNA-templated nanocluster investigated by ultra-fast spectroscopy. Nanoscale, 2012, 4, 4247.	5.6	67
18	Visualizing Coreâ€“Shell Structure in Substituted PPV Oligomer Aggregates Using Fluorescence Lifetime Imaging Microscopy (FLIM). Journal of Physical Chemistry C, 2011, 115, 15607-15616.	3.1	27

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19	Violation of the Condon Approximation in Semiconducting Carbon Nanotubes. ACS Nano, 2011, 5, 5233-5241.	14.6	51
20	Structural dynamics and charge transfer via complexation with fullerene in large area conjugated polymer honeycomb thin filmsâ€. Chemistry of Materials, 2011, 23, 759-761.	6.7	32
21	Ag K-Edge EXAFS Analysis of DNA-Templated Fluorescent Silver Nanoclusters: Insight into the Structural Origins of Emission Tuning by DNA Sequence Variations. Journal of the American Chemical Society, 2011, 133, 11837-11839.	13.7	78
22	Implementation of Time-Resolved Step-Scan Fourier Transform Infrared (FT-IR) Spectroscopy Using a kHz Repetition Rate Pump Laser. Applied Spectroscopy, 2011, 65, 535-542.	2.2	7
23	Tailored Microcrystal Growth: A Facile Solutionâ€Phase Synthesis of Gold Rings. Advanced Materials, 2011, 23, 4431-4434.	21.0	12
24	Fullerene derivatives induce premature senescence: A new toxicity paradigm or novel biomedical applications. Toxicology and Applied Pharmacology, 2010, 244, 130-143.	2.8	29
25	Formation and Stabilization of Fluorescent Gold Nanoclusters Using Small Molecules. Journal of Physical Chemistry C, 2010, 114, 15879-15882.	3.1	88
26	Formation and Dynamics of Supported Phospholipid Membranes on a Periodic Nanotextured Substrate. Langmuir, 2009, 25, 2986-2993.	3.5	28
27	Aggregation Effects on the Emission Spectra and Dynamics of Model Oligomers of MEH-PPV. Journal of Physical Chemistry C, 2009, 113, 18851-18862.	3.1	71
28	Thermochromism of a Poly(phenylene vinylene): Untangling the Roles of Polymer Aggregate and Chain Conformation. Journal of Physical Chemistry B, 2009, 113, 16110-16117.	2.6	25
29	Observation of Three Intervalenceâ€Transfer Bands for a Classâ€...IIâ€“III Mixedâ€Valence Complex of Ruthenium. Angewandte Chemie - International Edition, 2008, 47, 503-506.	13.8	60
30	Protecting, patterning, and scaffolding supported lipid membranes using carbohydrate glasses. Lab on A Chip, 2008, 8, 892.	6.0	29
31	Ultrafast Spectroscopy of the Uranium(IV) and Thorium(IV) Bis(ketimide) Complexes (C5Me5)2An[â^Nâ•C(Ph)(CH2Ph)]2 (An = Th, U). Journal of Physical Chemistry A, 2008, 112, 7840-7847.	2.5	13
32	Evidence for Leaflet-Dependent Redistribution of Charged Molecules in Fluid Supported Phospholipid Bilayers. Langmuir, 2008, 24, 13250-13253.	3.5	35
33	Metabolic Photofragmentation Kinetics for a Minimal Protocell: Rate-Limiting Factors, Efficiency, and Implications for Evolution. Artificial Life, 2008, 14, 189-201.	1.3	7
34	Optical Detection of Ion-Channel-Induced Proton Transport in Supported Phospholipid Bilayers. Nano Letters, 2007, 7, 2446-2451.	9.1	23
35	Raman studies of electronâ€“phonon coupling in single walled carbon nanotubes. Physica Status Solidi (B): Basic Research, 2006, 243, 3171-3175.	1.5	1
36	Characterization of infrared vibrational activity in specific totally symmetric bridging modes of mixed-valence systems near the localized-to-delocalized transition. Chemical Physics, 2006, 326, 24-32.	1.9	12

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37	Phospholipid Morphologies on Photochemically Patterned Silane Monolayers. Journal of the American Chemical Society, 2005, 127, 6752-6765.	13.7	84
38	Intervalence-Resonant Raman Spectroscopy of Strongly Coupled Mixed-Valence Cluster Dimers of Ruthenium. Journal of Physical Chemistry A, 2005, 109, 9006-9012.	2.5	38
39	Surfactant Removal and Silica Condensation during the Photochemical Calcination of Thin Film Silica Mesophases. Journal of Physical Chemistry B, 2005, 109, 14551-14556.	2.6	45
40	Neutron Reflectivity Study of Lipid Membranes Assembled on Ordered Nanocomposite and Nanoporous Silica Thin Films. Langmuir, 2005, 21, 2865-2870.	3.5	45
41	Evidence for cholera aggregation on GM1-decorated lipid bilayers. Colloids and Surfaces B: Biointerfaces, 2004, 33, 45-51.	5.0	34
42	Exploring the Localized-to-Delocalized Boundary in Mixed-Valence Systems Using Infrared Spectroelectrochemistry. Inorganic Chemistry, 2004, 43, 2231-2233.	4.0	12
43	Electrochemical and Spectroscopic Characterization of the Novel Charge-Transfer Ground State in Diimine Complexes of Ytterbocene. Inorganic Chemistry, 2003, 42, 5551-5559.	4.0	45
44	Intervalence Involvement of Bridging Ligand Vibrations in Hexaruthenium Mixed-Valence Clusters Probed by Resonance Raman Spectroscopy. Journal of the American Chemical Society, 2003, 125, 13912-13913.	13.7	34
45	Photochemical Pattern Transfer and Enhancement of Thin Film Silica Mesophases. Nano Letters, 2003, 3, 719-722.	9.1	45
46	Chemical Tuning of Nonlinearity Leading to Intrinsically Localized Modes in Halide-Bridged Mixed-Valence Platinum Materialsâ€. Journal of Physical Chemistry A, 2003, 107, 8198-8207.	2.5	11
47	Heme Charge-Transfer Band III Is Vibronically Coupled to the Soret Band. Journal of the American Chemical Society, 2002, 124, 7146-7155.	13.7	28
48	Electrostatic and Conformational Effects on the Electronic Structures of Distortional Isomers of a Mixed-Valence Binuclear Cu Complex. Inorganic Chemistry, 2001, 40, 6375-6382.	4.0	16
49	Structural and Photophysical Properties of a Water-Soluble Porphyrin Associated with Polycations in Solution and Electrostatically-Assembled Ultrathin Films. Journal of Physical Chemistry B, 2000, 104, 5986-5992.	2.6	58
50	Distortional Isomers of a Mixed-Valence Binuclear Cu Complex. Inorganic Chemistry, 1999, 38, 2546-2547.	4.0	22
51	Infrared Spectroscopic Characterization of Lipidâ^'Alkylsiloxane Hybrid Bilayer Membranes at Oxide Substrates. Langmuir, 1999, 15, 5369-5381.	3.5	43
52	Resonance Raman and X-ray Crystallographic Studies of Intertriad Metalâ^'Metal Bonds. 2. WRu and MoOs Porphyrin Dimers. Inorganic Chemistry, 1999, 38, 2093-2097.	4.0	19
53	Resonance Raman, X-ray Crystallographic, and Magnetic Susceptibility Studies of Metalâ^'Metal-Bonded MoRu and WOs Porphyrin Dimers. 1. Evidence for an Unusual MO Diagram. Inorganic Chemistry, 1999, 38, 2085-2092.	4.0	15
54	Dependence of NO Recombination Dynamics in Horse Myoglobin on Solution Glycerol Content. Journal of Physical Chemistry B, 1999, 103, 7969-7975.	2.6	33

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55	Nonequilibrium Pattern Formation in Langmuir-Phase Assisted Assembly of Alkylsiloxane Monolayers. Journal of Physical Chemistry B, 1999, 103, 10149-10157.	2.6	17
56	Time-Resolved Infrared Studies on Two Isomeric Ruthenium(II)/Rhenium(I) Complexes Containing a Nonsymmetric Quaterpyridine Bridging Ligand. Inorganic Chemistry, 1998, 37, 2598-2601.	4.0	15
57	Energy-Transfer Modeling for the Rational Design of Multiporphyrin Light-Harvesting Arrays. Journal of Physical Chemistry B, 1998, 102, 4209-4216.	2.6	158
58	Electronic and Nuclear Dynamics of the Accessory Bacteriochlorophylls in Bacterial Photosynthetic Reaction Centers from Resonance Raman Intensities. Journal of Physical Chemistry B, 1997, 101, 3250-3260.	2.6	68
59	Effective Rejection of Fluorescence Interference in Raman Spectroscopy Using a Shifted Excitation Difference Technique. Applied Spectroscopy, 1992, 46, 707-711.	2.2	284
60	Sterically hindered aryloxide-substituted alkylaluminum compounds. Organometallics, 1988, 7, 409-416.	2.3	143
61	DNA Binding by an Intrinsically Disordered Elastin-like Polypeptide for Assembly of Phase Separated Nucleoprotein Coacervates. Industrial & Engineering Chemistry Research, 0, , .	3.7	1