Kirk S Schanze

List of Publications by Year
in descending order

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516 papers	20,566 citations	9786 73 h-index	17592 121 g-index
541 all docs	541 docs citations	541 times ranked	17506 citing authors

#	Article	IF	Citations
1	Charge Transfer on the Nanoscale:â€‰ Current Status. Journal of Physical Chemistry B, 2003, 107, 6668-6697.	2.6	946
2	Conjugated Polyelectrolytes: Synthesis, Photophysics, and Applications. Angewandte Chemie - International Edition, 2009, 48, 4300-4316.	13.8	670
3	One-dimensional organic lead halide perovskites with efficient bluish white-light emission. Nature Communications, 2017, 8, 14051.	12.8	623
4	Photophysics of Diimine Platinum(II) Bis-Acetylide Complexes. Inorganic Chemistry, 2001, 40, 4053-4062.	4.0	330
5	Amplified fluorescence sensing of protease activity with conjugated polyelectrolytes. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 7505-7510.	7.1	319
6	Photophysics, aggregation and amplified quenching of a water-soluble poly(phenylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 552 Td (et structural characterization of PPE-SO3Ã¢â‚¬â€œ and PE-SO3Ã¢â‚¬â€œ. See http://www.rsc.org/suppdata/cc/b1/b109630c/. Chemical Communications, 2002, , 446-447.	4.1	273
7	Amplified Quenching of a Conjugated Polyelectrolyte by Cyanine Dyes. Journal of the American Chemical Society, 2004, 126, 13685-13694.	13.7	262
8	Studies of intramolecular electron and energy transfer using the fac-(diimine)ReI(CO)3 chromophore. Coordination Chemistry Reviews, 1993, 122, 63-89.	18.8	228
9	Extended Conjugation Platinum(II) Porphyrins for use in Near-Infrared Emitting Organic Light Emitting Diodes. Chemistry of Materials, 2011, 23, 5305-5312.	6.7	226
10	Unusual Photophysics of a Rhenium(I) Dipyridophenazine Complex in Homogeneous Solution and Bound to DNA. Journal of the American Chemical Society, 1995, 117, 7119-7128.	13.7	204
11	Microporous Hydrogen-Bonded Organic Framework for Highly Efficient Turn-Up Fluorescent Sensing of Aniline. Journal of the American Chemical Society, 2020, 142, 12478-12485.	13.7	201
12	Mechanistic understanding of surface plasmon assisted catalysis on a single particle: cyclic redox of 4-aminothiophenol. Scientific Reports, 2013, 3, 2997.	3.3	194
13	Conjugated Polyelectrolyte-Based Real-Time Fluorescence Assay for Alkaline Phosphatase with Pyrophosphate as Substrate. Analytical Chemistry, 2008, 80, 8605-8612.	6.5	189
14	Donorâ€“Acceptorâ€“Donor-based Ï€-Conjugated Oligomers for Nonlinear Optics and Near-IR Emission. Chemistry of Materials, 2011, 23, 3805-3817.	6.7	189
15	Synthesis, Photophysics, and Optical Limiting of Platinum(II) 4â€˜-Tolylterpyridyl Arylacetylide Complexes. Inorganic Chemistry, 2005, 44, 4055-4065.	4.0	184
16	Photophysics of Monodisperse Platinum-Acetylide Oligomers:Â Delocalization in the Singlet and Triplet Excited States. Journal of the American Chemical Society, 2002, 124, 12412-12413.	13.7	183
17	Platinumâ€“acetylide polymer based solar cells: involvement of the triplet state for energy conversion. Chemical Communications, 2006, , 1887-1889.	4.1	182
18	Photovoltaic Cells Based on Sequentially Adsorbed Multilayers of Conjugated Poly(p-phenylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62	3.5	179

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19	Conjugated polyelectrolytes as fluorescent sensors. Journal of Photochemistry and Photobiology C: Photochemistry Reviews, 2009, 10, 173-190.	11.6	171
20	Saccharide Detection Based on the Amplified Fluorescence Quenching of a Water-Soluble Poly(phenylene ethynylene) by a Boronic Acid Functionalized Benzyl Viologen Derivative. Langmuir, 2002, 18, 7785-7787.	3.5	168
21	A Water-Soluble Poly(phenylene ethynylene) with Pendant Phosphonate Groups. Synthesis, Photophysics, and Layer-by-Layer Self-Assembled Filmsâ€. Langmuir, 2003, 19, 6523-6533.	3.5	163
22	Platinum Acetylide Two-Photon Chromophores. Inorganic Chemistry, 2007, 46, 6483-6494.	4.0	161
23	Fluorescent Polyacetylene Thin Film Sensor for Nitroaromatics. Langmuir, 2001, 17, 7452-7455.	3.5	159
24	Amplified Fluorescence Quenching in a Poly(p-phenylene)-Based Cationic Polyelectrolyte. Journal of the American Chemical Society, 2000, 122, 8561-8562.	13.7	158
25	Variable Band Gap Poly(arylene ethynylene) Conjugated Polyelectrolytes. Macromolecules, 2006, 39, 6355-6366.	4.8	158
26	Phosphorescent Platinum Acetylide Organogelators. Journal of the American Chemical Society, 2008, 130, 2535-2545.	13.7	155
27	Preparation of CdS Nanoparticles in Salt-Induced Block Copolymer Micelles. Langmuir, 2001, 17, 8428-8433.	3.5	152
28	Pt-Enhanced Mesoporous Ti³⁺/TiO₂ with Rapid Bulk to Surface Electron Transfer for Photocatalytic Hydrogen Evolution. ACS Applied Materials & Interfaces, 2017, 9, 16959-16966.	8.0	147
29	Photophysical Properties of Near-Infrared Phosphorescent Ï€-Extended Platinum Porphyrins. Chemistry of Materials, 2011, 23, 5296-5304.	6.7	143
30	Regiosymmetric Dibutyl-Substituted Poly(3,4-propylenedioxythiophene)s as Highly Electron-Rich Electroactive and Luminescent Polymers. Macromolecules, 2002, 35, 6517-6525.	4.8	140
31	Conjugated Polyelectrolytes: Synthesis and Applications. Synthesis, 2002, 2002, 1293.	2.3	137
32	Hyperbranched Conjugated Polyelectrolyte Bilayers for Solar-Cell Applications. Journal of the American Chemical Society, 2007, 129, 8958-8959.	13.7	135
33	Low-Band-Gap Platinum Acetylide Polymers as Active Materials for Organic Solar Cells. ACS Applied Materials & Interfaces, 2009, 1, 150-161.	8.0	135
34	It Takes More Than an Imine: The Role of the Central Atom on the Electron-Accepting Ability of Benzotriazole and Benzothiadiazole Oligomers. Journal of the American Chemical Society, 2012, 134, 2599-2612.	13.7	135
35	Light-Induced Biocidal Action of Conjugated Polyelectrolytes Supported on Colloids. Langmuir, 2008, 24, 11053-11062.	3.5	132
36	A conjugated polyelectrolyte-based fluorescence sensor for pyrophosphate. Chemical Communications, 2007, , 2914.	4.1	130

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37	Efficient Near-Infrared Polymer and Organic Light-Emitting Diodes Based on Electrophosphorescence from (Tetraphenyltetranaphtho[2,3]porphyrin)platinum(II). ACS Applied Materials & Interfaces, 2009, 1, 274-278.	8.0	129
38	Preparation and Spectroscopic Properties of Multiluminophore Luminescent Oxygen and Temperature Sensor Films. Langmuir, 2005, 21, 9121-9129.	3.5	125
39	Water Soluble Photo- and Electroluminescent Alkoxy-Sulfonated Poly(p-phenylenes) Synthesized via Palladium Catalysis. Macromolecules, 1998, 31, 964-974.	4.8	124
40	Photophysics of Ï€-Conjugated Polymers That Incorporate Metal to Ligand Charge Transfer Chromophores. Journal of the American Chemical Society, 1997, 119, 3423-3424.	13.7	119
41	Luminescence Quenching of a Phosphorescent Conjugated Polyelectrolyte. Journal of the American Chemical Society, 2004, 126, 14964-14971.	13.7	119
42	Near-infrared electroluminescence from conjugated polymer/lanthanide porphyrin blends. Applied Physics Letters, 2001, 79, 3770-3772.	3.3	116
43	The triplet state in Pt-acetylide oligomers, polymers and copolymers. Coordination Chemistry Reviews, 2005, 249, 1491-1500.	18.8	116
44	Direct Synthesis of an Oligonucleotideâ€“Poly(phenylene ethynylene) Conjugate with a Precise One-to-One Molecular Ratio. Angewandte Chemie - International Edition, 2005, 44, 2572-2576.	13.8	114
45	Intramolecular electron transfer in the reductive chromophore-quencher complex [(bpy)Re(CO)3(py-PTZ)]+. Inorganic Chemistry, 1987, 26, 1116-1126.	4.0	111
46	Visible Light-Induced Borylation of Câ€“O, Câ€“N, and Câ€“X Bonds. Journal of the American Chemical Society, 2020, 142, 1603-1613.	13.7	111
47	Enhancing the Efficiency of Solution-Processed Polymer:Colloidal Nanocrystal Hybrid Photovoltaic Cells Using Ethanedithiol Treatment. ACS Nano, 2013, 7, 4846-4854.	14.6	108
48	Photoinduced intramolecular electron transfer in peptide-bridged molecules. Journal of the American Chemical Society, 1988, 110, 1180-1186.	13.7	105
49	Conjugated Polyelectrolyte Capsules: Light-Activated Antimicrobial Micro â€œRoach Motelsâ€• ACS Applied Materials & Interfaces, 2009, 1, 48-52.	8.0	105
50	Low-Bandgap Donorâ^'Acceptor Conjugated Polymer Sensitizers for Dye-Sensitized Solar Cells. Journal of the American Chemical Society, 2011, 133, 3063-3069.	13.7	105
51	Facile Preparation and Photophysics of Near-Infrared Luminescent Lanthanide(III) Monoporphyrinate Complexes. Inorganic Chemistry, 2003, 42, 5023-5032.	4.0	104
52	Intramolecular energy transfer in the inverted region. Journal of the American Chemical Society, 1992, 114, 1897-1898.	13.7	102
53	Triplet Excited State in Platinumâ^'Acetylide Oligomers:Â Triplet Localization and Effects of Conformation. Journal of Physical Chemistry B, 2007, 111, 929-940.	2.6	101
54	Direct Observation of the Reduction of Aryl Halides by a Photoexcited Perylene Diimide Radical Anion. Journal of the American Chemical Society, 2020, 142, 2204-2207.	13.7	100

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55	Donor-acceptor copolymers for red- and near-infrared-emitting polymer light-emitting diodes. Journal of Polymer Science Part A, 2005, 43, 1417-1431.	2.3	96
56	Direct Visualization of Bactericidal Action of Cationic Conjugated Polyelectrolytes and Oligomers. Langmuir, 2012, 28, 65-70.	3.5	93
57	Fluorescent ratiometric sensing of pyrophosphate via induced aggregation of a conjugated polyelectrolyte. Chemical Communications, 2010, 46, 6075.	4.1	89
58	Photophysics of Ï€-Conjugated Metalâ^'Organic Oligomers:Â Aryleneethynylenes that Contain the (bpy)Re(CO)3Cl Chromophore. Journal of the American Chemical Society, 2001, 123, 8329-8342.	13.7	88
59	Photophysics and Photochemistry of Stilbene-Containing Platinum Acetylides. Journal of Physical Chemistry B, 2004, 108, 4969-4978.	2.6	87
60	Amplified Fluorescence Quenching of a Conjugated Polyelectrolyte Mediated by Ca2+. Langmuir, 2006, 22, 5541-5543.	3.5	86
61	Understanding the Dark and Light-Enhanced Bactericidal Action of Cationic Conjugated Polyelectrolytes and Oligomers. Langmuir, 2013, 29, 781-792.	3.5	86
62	Phenylene Vinylene Platinum(II) Acetylides with Prodigious Two-Photon Absorption. Journal of the American Chemical Society, 2012, 134, 19346-19349.	13.7	85
63	Cation-controlled photophysics in a rhenium(I) fluoroionophore. Journal of the American Chemical Society, 1991, 113, 6108-6110.	13.7	83
64	Progress in Perovskite Photocatalysis. ACS Energy Letters, 2020, 5, 2602-2604.	17.4	83
65	Spectral Broadening in Nanocrystalline TiO2 Solar Cells Based on Poly(p-phenylene ethynylene) and Polythiophene Sensitizers. Chemistry of Materials, 2006, 18, 6109-6111.	6.7	82
66	â€œEnd-Onlyâ€•Functionalized Oligo(phenylene ethynylene)s: Synthesis, Photophysical and Biocidal Activity. Journal of Physical Chemistry Letters, 2010, 1, 3207-3212.	4.6	82
67	Conjugated Polyelectrolytes with Imidazolium Solubilizing Groups. Properties and Application to Photodynamic Inactivation of Bacteria. ACS Applied Materials & Interfaces, 2015, 7, 28027-28034.	8.0	82
68	Photooxidation of Diimine Dithiolate Platinium(II) Complexes Induced by Charge Transfer to Diimine Excitation. Inorganic Chemistry, 1996, 35, 7102-7110.	4.0	81
69	Conjugated Polyelectrolyte Based Real-Time Fluorescence Assay for Phospholipase C. Analytical Chemistry, 2008, 80, 150-158.	6.5	80
70	Solvent effects on the thermal cis-trans isomerization and charge-transfer absorption of 4-(diethylamino)-4'-nitroazobenzene. Journal of Organic Chemistry, 1983, 48, 2808-2813.	3.2	78
71	Conjugated Polymer with Intrinsic Alkyne Units for Synergistically Enhanced Raman Imaging in Living Cells. Angewandte Chemie - International Edition, 2017, 56, 13455-13458.	13.8	78
72	Free energy and solvent dependence of intramolecular electron transfer in donor-substituted rhenium(I) complexes. Journal of the American Chemical Society, 1991, 113, 7470-7479.	13.7	77

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73	Selective Imaging and Inactivation of Bacteria over Mammalian Cells by Imidazolium-Substituted Polythiophene. Chemistry of Materials, 2017, 29, 6389-6395.	6.7	77
74	Light and Dark-Activated Biocidal Activity of Conjugated Polyelectrolytes. ACS Applied Materials & Interfaces, 2011, 3, 2820-2829.	8.0	76
75	Bulk assembly of organic metal halide nanotubes. Chemical Science, 2017, 8, 8400-8404.	7.4	76
76	Near-Infrared Photo- and Electroluminescence of Alkoxy-Substituted Poly(p-phenylene) and Nonconjugated Polymer/Lanthanide Tetraphenylporphyrin Blends. Chemistry of Materials, 2004, 16, 2938-2947.	6.7	75
77	Photophysics and Electron Transfer in Poly(3-octylthiophene) Alternating with Ru(II)â^' and Os(II)â^'Bipyridine Complexes. Inorganic Chemistry, 2000, 39, 5496-5509.	4.0	73
78	Amplified Fluorescence Quenching and Electroluminescence of a Cationic Poly(p-phenylene-co-thiophene) Polyelectrolyte. Macromolecules, 2005, 38, 234-243.	4.8	73
79	Effect of Selenium Substitution on Intersystem Crossing in Ï€-Conjugated Donorâ€“Acceptorâ€“Donor Chromophores: The LUMO Matters the Most. Journal of Physical Chemistry Letters, 2016, 7, 693-697.	4.6	73
80	Membrane Perturbation Activity of Cationic Phenylene Ethynylene Oligomers and Polymers: Selectivity against Model Bacterial and Mammalian Membranes. Langmuir, 2010, 26, 12509-12514.	3.5	72
81	Organoplatinum Chromophores for Application in High-Performance Nonlinear Absorption Materials. ACS Applied Materials & Interfaces, 2011, 3, 3225-3238.	8.0	72
82	CdS:Mn nanocrystals passivated by ZnS: Synthesis and luminescent properties. Journal of Chemical Physics, 2004, 121, 10233-10240.	3.0	71
83	Insight into the Mechanism of Antimicrobial Conjugated Polyelectrolytes: Lipid Headgroup Charge and Membrane Fluidity Effects. Langmuir, 2010, 26, 5544-5550.	3.5	71
84	Negative Polaron and Triplet Exciton Diffusion in Organometallic â€œMolecular Wiresâ€• Journal of the American Chemical Society, 2011, 133, 11289-11298.	13.7	70
85	Near-infrared organic light emitting diodes. Synthetic Metals, 2003, 137, 1013-1014.	3.9	68
86	Light-Induced Antibacterial Activity of Symmetrical and Asymmetrical Oligophenylene Ethynylenes. Langmuir, 2011, 27, 4956-4962.	3.5	68
87	DNA oligomers and duplexes containing a covalently attached derivative of tris(2,2'-bipyridine)ruthenium(II): synthesis and characterization by thermodynamic and optical spectroscopic measurements. Journal of the American Chemical Society, 1989, 111, 7221-7226.	13.7	67
88	A fulleropyrrolidine end-capped platinum-acetylide triad: the mechanism of photoinduced charge transfer in organometallic photovoltaic cells. Physical Chemistry Chemical Physics, 2007, 9, 2724.	2.8	67
89	Cationic Phenylene Ethynylene Polymers and Oligomers Exhibit Efficient Antiviral Activity. ACS Applied Materials & Interfaces, 2011, 3, 2209-2214.	8.0	67
90	Synthesis, Self-Assembly, and Photophysical Properties of Cationic Oligo(p-phenyleneethynylene)s. Langmuir, 2011, 27, 4945-4955.	3.5	67

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91	Excited-state electron transfer in ligand-bridged dimeric complexes of osmium. The Journal of Physical Chemistry, 1986, 90, 2182-2193.	2.9	65
92	Adenosine Triphosphate Templated Self-Assembly of Cationic Porphyrin into Chiral Double Superhelices and Enzyme-Mediated Disassembly. Journal of the American Chemical Society, 2019, 141, 12610-12618.	13.7	64
93	Distance dependence of photochemical electron transfer across peptide spacers. The Journal of Physical Chemistry, 1990, 94, 2740-2743.	2.9	63
94	Membrane activity of antimicrobial phenylene ethynylene based polymers and oligomers. Soft Matter, 2012, 8, 8547.	2.7	63
95	Efficient near-infrared organic light-emitting devices based on low-gap fluorescent oligomers. Journal of Applied Physics, 2009, 106, .	2.5	62
96	Temperature Dependence of Pressure Sensitive Paints. AIAA Journal, 1997, 35, 306-310.	2.6	61
97	An Iridium(III) Complex that Exhibits Dual Mechanism Nonlinear Absorption. Journal of Physical Chemistry B, 2006, 110, 17302-17304.	2.6	61
98	Light and dark biocidal activity of cationic poly(arylene ethynylene) conjugated polyelectrolytes. Photochemical and Photobiological Sciences, 2009, 8, 998.	2.9	61
99	Near-IR phosphorescent metalloporphyrin as a photochemical upconversion sensitizer. Chemical Communications, 2013, 49, 7406.	4.1	61
100	Enhanced Photovoltaic Performances of Dye-Sensitized Solar Cells by Co-Sensitization of Benzothiadiazole and Squaraine-Based Dyes. ACS Applied Materials & Interfaces, 2016, 8, 4616-4623.	8.0	61
101	A chromophore-quencher-based luminescence probe for DNA. Inorganic Chemistry, 1993, 32, 4994-4995.	4.0	60
102	Photophysics of Ï€-conjugated oligomers and polymers that contain transition metal complexes. Journal of Photochemistry and Photobiology C: Photochemistry Reviews, 2002, 3, 1-23.	11.6	59
103	Near infrared organic light-emitting devices based on donor-acceptor-donor oligomers. Applied Physics Letters, 2008, 93, 163305.	3.3	59
104	Panchromatic Donorâ€“Acceptorâ€“Donor Conjugated Oligomers for Dye-Sensitized Solar Cell Applications. ACS Applied Materials & Interfaces, 2014, 6, 8715-8722.	8.0	59
105	Triplet excited state properties in variable gap Ï€-conjugated donorâ€“acceptorâ€“donor chromophores. Chemical Science, 2016, 7, 3621-3631.	7.4	59
106	Synthesis and characterization of Ï€-conjugated oligomers that contain metal-to-ligand charge transfer chromophoresâ€. Chemical Communications, 1999, , 1749-1750.	4.1	58
107	Intrachain Triplet Energy Transfer in Platinumâ^'Acetylide Copolymers. Journal of Physical Chemistry B, 2005, 109, 18451-18459.	2.6	58
108	The Role of Exciton Hopping and Direct Energy Transfer in the Efficient Quenching of Conjugated Polyelectrolytes. Journal of the American Chemical Society, 2006, 128, 4007-4016.	13.7	58

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109	Conjugated Polyelectrolyte-Grafted Silica Microspheres. Langmuir, 2007, 23, 4541-4548.	3.5	58
110	Polymer Chain Length Dependence of Amplified Fluorescence Quenching in Conjugated Polyelectrolytes. Macromolecules, 2008, 41, 3422-3428.	4.8	58
111	Light Harvesting Arrays of Polypyridine Ruthenium(II) Chromophores Prepared by Reversible Additionâ€“Fragmentation Chain Transfer Polymerization. Macromolecules, 2012, 45, 2632-2642.	4.8	58
112	Solubilization sites and orientations in microheterogeneous media. Studies using donor-acceptor-substituted azobenzenes and bichromophoric solvatochromic molecules. Journal of the American Chemical Society, 1989, 111, 8494-8501.	13.7	57
113	Conjugated Polyelectrolyte Supported Bead Based Assays for Phospholipase A2 Activity. Journal of Physical Chemistry B, 2008, 112, 14492-14499.	2.6	57
114	Functional Polyelectrolytes. Langmuir, 2009, 25, 13698-13702.	3.5	57
115	Micro-heterogeneous Oxygen Response in Luminescence Sensor Films. Langmuir, 2000, 16, 9137-9141.	3.5	55
116	Morphology Evolution in Nanoscale Light-Emitting Domains in MEH-PPV/PMMA Blends. Macromolecules, 2003, 36, 8978-8985.	4.8	55
117	Meta-Linked Poly(phenylene ethynylene) Conjugated Polyelectrolyte Featuring a Chiral Side Group:Â Helical Folding and Guest Binding. Langmuir, 2006, 22, 4856-4862.	3.5	55
118	Synthesis, Self-Assembly, and Photophysical Behavior of Oligo Phenylene Ethynylenes: From Molecular to Supramolecular Properties. Langmuir, 2009, 25, 21-25.	3.5	55
119	Trans-stilbene phosphorescence. Chemical Physics Letters, 1980, 70, 233-235.	2.6	54
120	Temperature- and Pressure-Sensitive Paint Measurements in Short-Duration Hypersonic Flow. AIAA Journal, 2001, 39, 654-659.	2.6	54
121	A Platinum Acetylide Polymer with Sterically Demanding Substituents:â€‰ Effect of Aggregation on the Triplet Excited State. Inorganic Chemistry, 2005, 44, 2619-2627.	4.0	54
122	Effects of Polymer Aggregation and Quencher Size on Amplified Fluorescence Quenching of Conjugated Polyelectrolytes. Langmuir, 2007, 23, 9481-9486.	3.5	54
123	Correlation of the rate of thermal cis-trans isomerization of p-nitro-p'-(dialkylamino)azobenzenes with solvent Z value applied to study polarity in aqueous surfactant solutions. Journal of the American Chemical Society, 1982, 104, 1733-1735.	13.7	53
124	Ligand-to-ligand charge-transfer photochemistry. Journal of the American Chemical Society, 1993, 115, 5675-5683.	13.7	53
125	Photophysics of Platinumâ€'Acetylide Substituted Hexa-peri-hexabenzocoronenes. Inorganic Chemistry, 2006, 45, 2509-2519.	4.0	52
126	Insight into the Mechanism of Antimicrobial Poly(phenylene ethynylene) Polyelectrolytes: Interactions with Phosphatidylglycerol Lipid Membranesâ€Langmuir 25th Year: Molecular and macromolecular self-assemblies. Langmuir, 2009, 25, 13742-13751.	3.5	52

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127	When Worlds Collide: Interactions at the Interface between Biological Systems and Synthetic Cationic Conjugated Polyelectrolytes and Oligomers. Langmuir, 2013, 29, 10635-10647.	3.5	52
128	Ten Years of Polydopamine: Current Status and Future Directions. ACS Applied Materials & Interfaces, 2018, 10, 7521-7522.	8.0	52
129	Metal-Free Nanoassemblies of Water-Soluble Photosensitizer and Adenosine Triphosphate for Efficient and Precise Photodynamic Cancer Therapy. ACS Nano, 2021, 15, 4979-4988.	14.6	52
130	Defect-Induced Loss Mechanisms in Polymerâ€“Inorganic Planar Heterojunction Solar Cells. ACS Applied Materials & Interfaces, 2013, 5, 7215-7218.	8.0	51
131	Bulky Phenanthroimidazoleâ€“Phenothiazine Dâ^Ï€â€“A Based Organic Sensitizers for Application in Efficient Dye-Sensitized Solar Cells. ACS Applied Energy Materials, 2020, 3, 6758-6767.	5.1	51
132	Excited-State Structure and Delocalization in Ruthenium(II)â^'Bipyridine Complexes That Contain Phenyleneethynylene Substituents. Journal of Physical Chemistry A, 2001, 105, 11118-11127.	2.5	50
133	Performance of Nonconcentrating Solar Photocatalytic Oxidation Reactors: Part Iâ€”Flat-Plate Configuration. Journal of Solar Energy Engineering, Transactions of the ASME, 1994, 116, 2-7.	1.8	49
134	Photolithographically-Patterned Electroactive Films and Electrochemically Modulated Diffraction Gratings. Langmuir, 2000, 16, 795-810.	3.5	49
135	Conjugated Polyelectrolyte Based Real-Time Fluorescence Assay for Adenylate Kinase. Analytical Chemistry, 2009, 81, 231-239.	6.5	49
136	Highly Effective Inactivation of SARS-CoV-2 by Conjugated Polymers and Oligomers. ACS Applied Materials & Interfaces, 2020, 12, 55688-55695.	8.0	48
137	Heat-Transfer Measurements in Hypersonic Flow Using Luminescent Coating Techniques. Journal of Thermophysics and Heat Transfer, 2002, 16, 516-522.	1.6	47
138	Two-Photon Excited Fluorescence of a Conjugated Polyelectrolyte and Its Application in Cell Imaging. ACS Applied Materials & Interfaces, 2010, 2, 2744-2748.	8.0	46
139	Photolithographic patterning of electroactive polymer films and electrochemically modulated optical diffraction gratings. Advanced Materials, 1996, 8, 531-534.	21.0	45
140	Charge Transfer through Terthiophene End-Capped Poly(arylene ethynylene)s. Journal of Physical Chemistry B, 2004, 108, 1544-1555.	2.6	44
141	Optimizing Simultaneous Two-Photon Absorption and Transient Tripletâ^'Triplet Absorption in Platinum Acetylide Chromophores. Journal of Physical Chemistry A, 2010, 114, 7003-7013.	2.5	44
142	Photophysics and Light-Activated Biocidal Activity of Visible-Light-Absorbing Conjugated Oligomers. ACS Applied Materials & Interfaces, 2013, 5, 4516-4520.	8.0	44
143	Base-Free Suzuki Polymerization for the Synthesis of Polyfluorenes Functionalized with Carboxylic Acids. Macromolecules, 2007, 40, 3524-3526.	4.8	43
144	Synthesis of Monodisperse Platinum Acetylide Oligomers End-Capped with Naphthalene Diimide Units. Organometallics, 2009, 28, 4210-4216.	2.3	43

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145	Photochemical probes of intramolecular electron and energy transfer. Chemical Physics, 1993, 176, 305-319.	1.9	42
146	Intramolecular Energy Transfer in (diimine)ReI(CO)3-[CpMII(arene)] Dimers. Inorganic Chemistry, 1994, 33, 1354-1362.	4.0	42
147	Effect of Polymer Chain Length on Membrane Perturbation Activity of Cationic Phenylene Ethynylene Oligomers and Polymers. Langmuir, 2011, 27, 10770-10775.	3.5	42
148	Photophysical Consequences of Conformation and Aggregation in Dilute Solutions of Ï€-Conjugated Oligomers. Langmuir, 1999, 15, 5676-5680.	3.5	41
149	Photophysics and Photoinduced Electron-Transfer Reactivity of Ruthenium(II) Complexes with Oligo(thiophene-bipyridine) Ligandsâ€‚1. Journal of Physical Chemistry A, 2003, 107, 3476-3485.	2.5	41
150	Dark Antimicrobial Mechanisms of Cationic Phenylene Ethynylene Polymers and Oligomers against Escherichia coli. Polymers, 2011, 3, 1199-1214.	4.5	41
151	Self-Sterilizing, Self-Cleaning Mixed Polymeric Multifunctional Antimicrobial Surfaces. ACS Applied Materials & Interfaces, 2015, 7, 27632-27638.	8.0	41
152	In Search of Deeper Blues: Trans-N-Heterocyclic Carbene Platinum Phenylacetylide as a Dopant for Phosphorescent OLEDs. ACS Applied Materials & Interfaces, 2017, 9, 41111-41114.	8.0	41
153	Light-Driven Water Oxidation Using Polyelectrolyte Layer-by-Layer Chromophoreâ€“Catalyst Assemblies. ACS Energy Letters, 2016, 1, 339-343.	17.4	40
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