

# Andong Xia

## List of Publications by Year in descending order

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102  
papers

3,968  
citations

109321

35  
h-index

128289

60  
g-index

104  
all docs

104  
docs citations

104  
times ranked

5678  
citing authors

#	ARTICLE	IF	CITATIONS
1	Manipulating Aggregation and Molecular Orientation in All-Polymer Photovoltaic Cells. <i>Advanced Materials</i> , 2015, 27, 6046-6054.	21.0	264
2	Synergetic Integration of Cu <sub>1.94</sub> S@ZnCdS Heteronanorods for Enhanced Visible-Light-Driven Photocatalytic Hydrogen Production. <i>Journal of the American Chemical Society</i> , 2016, 138, 4286-4289.	13.7	257
3	Micro lens fabrication by means of femtosecond two photon photopolymerization. <i>Optics Express</i> , 2006, 14, 810.	3.4	232
4	Efficient photocatalytic hydrogen evolution with ligand engineered all-inorganic InP and InP/ZnS colloidal quantum dots. <i>Nature Communications</i> , 2018, 9, 4009.	12.8	179
5	Crystal Structure and Optical Properties of the [Ag <sub>62</sub> S <sub>12</sub> (SBu <sup>t</sup> ) <sub>32</sub> ] <sup>2+</sup> Nanocluster with a Complete Face-Centered Cubic Kernel. <i>Journal of the American Chemical Society</i> , 2014, 136, 15559-15565.	13.7	176
6	An A-D-A Type Small-Molecule Electron Acceptor with End-Extended Conjugation for High Performance Organic Solar Cells. <i>Chemistry of Materials</i> , 2017, 29, 7908-7917.	6.7	139
7	Tetrahydro[5]helicene-based imide dyes with intense fluorescence in both solution and solid state. <i>Chemical Communications</i> , 2014, 50, 2993-2995.	4.1	105
8	Combining Energy Transfer and Optimized Morphology for Highly Efficient Ternary Polymer Solar Cells. <i>Advanced Energy Materials</i> , 2017, 7, 1602552.	19.5	97
9	Characterization of Photoinduced Isomerization and Intersystem Crossing of the Cyanine Dye Cy3. <i>Journal of Physical Chemistry A</i> , 2007, 111, 1593-1597.	2.5	89
10	Photophysical properties of rhodamine isomers: A two-photon excited fluorescent sensor for trivalent chromium cation (Cr <sup>3+</sup> ). <i>Analytica Chimica Acta</i> , 2010, 665, 215-220.	5.4	85
11	Bridge-Mediated Charge Separation in Isomeric N-Annulated Perylene Diimide Dimers. <i>Journal of the American Chemical Society</i> , 2019, 141, 12789-12796.	13.7	76
12	Ultrafast Relaxation Dynamics of Luminescent Rod-Shaped, Silver-Doped Ag <sub>25</sub> Au <sub>25</sub> Clusters. <i>Journal of Physical Chemistry C</i> , 2015, 119, 18790-18797.	3.1	75
13	Ultrafast Investigation of Intramolecular Charge Transfer and Solvation Dynamics of Tetrahydro[5]-helicene-Based Imide Derivatives. <i>Scientific Reports</i> , 2016, 6, 24313.	3.3	75
14	Photophysical Properties of Photoactive Molecules with Conjugated Push-Pull Structures. <i>Journal of Physical Chemistry A</i> , 2007, 111, 5806-5812.	2.5	73
15	Spectral Identification of Specific Photophysics of Cy5 by Means of Ensemble and Single Molecule Measurements. <i>Journal of Physical Chemistry A</i> , 2006, 110, 45-50.	2.5	72
16	Large-Scale Synthesis, Crystal Structure, and Optical Properties of the Ag <sub>146</sub> Br <sub>2</sub> (SR) <sub>80</sub> Nanocluster. <i>ACS Nano</i> , 2018, 12, 9318-9325.	14.6	72
17	A Rewritable Optical Data Storage Material System by [2 + 2] Photocycloreversion~Photocycloaddition. <i>Chemistry of Materials</i> , 2008, 20, 1194-1196.	6.7	66
18	Conformational Relaxation and Thermally Activated Delayed Fluorescence in Anthraquinone-Based Intramolecular Charge-Transfer Compound. <i>Journal of Physical Chemistry C</i> , 2018, 122, 3727-3737.	3.1	65

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19	Photophysical Properties of Intramolecular Charge Transfer in Two Newly Synthesized Tribranched Donor–Acceptor Chromophores. <i>Journal of Physical Chemistry A</i> , 2010, 114, 7345-7352.	2.5	63
20	Intramolecular Charge Transfer and Solvation Dynamics of Thiolate-Protected Au <sub>20</sub> (SR) <sub>16</sub> Clusters Studied by Ultrafast Measurement. <i>Journal of Physical Chemistry A</i> , 2013, 117, 10294-10303.	2.5	60
21	Energy Transfer from Photo-Excited Fluorene Polymers to Single-Walled Carbon Nanotubes. <i>Journal of Physical Chemistry C</i> , 2009, 113, 14946-14952.	3.1	54
22	Gigantic Two-Photon Absorption Cross Sections and Strong Two-Photon Excited Fluorescence in Pyrene Core Dendrimers with Fluorene/Carbazole as Dendrons and Acetylene as Linkages. <i>Journal of Physical Chemistry B</i> , 2010, 114, 11737-11745.	2.6	54
23	Dimension-Tunable Circularly Polarized Luminescent Nanoassemblies with Emerging Selective Chirality and Energy Transfer. <i>ACS Nano</i> , 2020, 14, 2373-2384.	14.6	51
24	Label-Free Dynamic Detection of Single-Molecule Nucleophilic-Substitution Reactions. <i>Nano Letters</i> , 2018, 18, 4156-4162.	9.1	48
25	Direct Observation of Delayed Fluorescence from a Remarkable Back-Isomerization in Cy5. <i>Journal of the American Chemical Society</i> , 2005, 127, 8064-8066.	13.7	47
26	Theoretical Study of Spectroscopic Properties of Dimethoxy- <i>p</i> -Phenylene-Ethynylene Oligomers: Planarization of the Conjugated Backbone. <i>Journal of Physical Chemistry A</i> , 2007, 111, 9393-9398.	2.5	47
27	Excited-State Symmetry-Breaking Charge Separation Dynamics in Multibranching Perylene Diimide Molecules. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 10329-10339.	4.6	46
28	Localized Emitting State and Energy Transfer Properties of Quadrupolar Chromophores and (Multi)Branched Derivatives. <i>Journal of Physical Chemistry A</i> , 2012, 116, 8693-8705.	2.5	45
29	Ultrafast relaxation dynamics of phosphine-protected, rod-shaped Au <sub>20</sub> clusters: interplay between solvation and surface trapping. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 18288-18293.	2.8	45
30	Solvent-dependent intramolecular charge transfer delocalization/localization in multibranching push-pull chromophores. <i>Journal of Chemical Physics</i> , 2015, 143, 034309.	3.0	40
31	Photophysical Properties of Intramolecular Charge Transfer in a Tribranched Donor–Acceptor Chromophore. <i>ChemPhysChem</i> , 2015, 16, 2357-2365.	2.1	39
32	Solvent modulated excited state processes of push–pull molecule with hybridized local excitation and intramolecular charge transfer character. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 3894-3902.	2.8	39
33	Exciton funneling in light-harvesting organic semiconductor microcrystals for wavelength-tunable lasers. <i>Science Advances</i> , 2019, 5, eaaw2953.	10.3	37
34	Distinct Excited-State Dynamics of Near-Orthogonal Peryleneimide Dimer: Conformational Planarization versus Symmetry Breaking Charge Transfer. <i>Journal of Physical Chemistry C</i> , 2020, 124, 237-245.	3.1	36
35	Thermoreversible Covalent Self-Assembly of Oligo( <i>p</i> -phenylenevinylene) Bridged Gold Nanoparticles. <i>Langmuir</i> , 2010, 26, 3179-3185.	3.5	35
36	Two Electron Reduction: From Quantum Dots to Metal Nanoclusters. <i>Chemistry of Materials</i> , 2016, 28, 7905-7911.	6.7	35

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37	Ultrafast Ground-State Intramolecular Proton Transfer in Diethylaminoxyflavone Resolved with Pump-Dump-Probe Spectroscopy. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 4174-4181.	4.6	33
38	Solvation-Dependent Excited-State Dynamics of Donor-Acceptor Molecules with Hybridized Local and Charge Transfer Character. <i>Journal of Physical Chemistry C</i> , 2020, 124, 5574-5582.	3.1	33
39	Solvent Polarity Dependent Excited State Dynamics of 2-Hydroxychalcone Derivatives. <i>Journal of Physical Chemistry C</i> , 2018, 122, 15108-15117.	3.1	32
40	Toward an Understanding of How the Optical Property of Water-Soluble Cationic Polythiophene Derivative Is Altered by the Addition of Salts: The Hofmeister Effect. <i>Journal of Physical Chemistry C</i> , 2013, 117, 21870-21878.	3.1	30
41	Solvent Dependent Excited State Behaviors of Luminescent Gold(I)-Silver(I) Cluster with Hypercoordinated Carbon. <i>Journal of Physical Chemistry C</i> , 2015, 119, 14980-14988.	3.1	30
42	Intramolecular charge transfer and solvation dynamics of push-pull dyes with different $\pi$ -conjugated linkers. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 17323-17331.	2.8	30
43	Donor-Donor Energy-Migration Measurements of Dimeric DsbC Labeled at Its N-Terminal Amines with Fluorescent Probes: A Study of Protein Unfolding. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 4216-4219.	13.8	27
44	Structure-Dependent All-Optical Switching in Graphene-Nanoribbon-Like Molecules: Fully Conjugated Tri(perylene bisimides). <i>Journal of Physical Chemistry A</i> , 2010, 114, 9130-9135.	2.5	27
45	Sm(DBM) <sub>3</sub> Phen - doped poly(methyl methacrylate) for three-dimensional multilayered optical memory. <i>Optics Letters</i> , 2005, 30, 774.	3.3	26
46	Excited State Localization and Delocalization of Internal Charge Transfer in Branched Push-Pull Chromophores Studied by Single-Molecule Spectroscopy. <i>Journal of the American Chemical Society</i> , 2009, 131, 5742-5743.	13.7	26
47	Importance of Conformational Change in Excited States for Efficient Thermally Activated Delayed Fluorescence. <i>Journal of Physical Chemistry C</i> , 2019, 123, 19322-19332.	3.1	26
48	Shape-Specific Detection Based on Fluorescence Resonance Energy Transfer Using a Flexible Water-Soluble Conjugated Polymer. <i>Journal of the American Chemical Society</i> , 2006, 128, 10281-10287.	13.7	25
49	Ultrafast Photoinduced Electron Transfer in Green Fluorescent Protein Bearing a Genetically Encoded Electron Acceptor. <i>Journal of the American Chemical Society</i> , 2015, 137, 7270-7273.	13.7	25
50	Spectroscopic Evidence for Unusual Microviscosity in Imidazolium Ionic Liquid and Tetraethylene Glycol Dimethyl Ether Cosolvent Mixtures. <i>Journal of Physical Chemistry B</i> , 2012, 116, 13272-13281.	2.6	23
51	Energy transfer and spectroscopic characterization of a perylenetetracarboxylic diimide (PDI) hexamer. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 18567-18576.	2.8	23
52	Excited state dynamics of $\beta$ -carotene studied by means of transient absorption spectroscopy and multivariate curve resolution alternating least-squares analysis. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 20026.	2.8	22
53	Insights into the effect of donor ability on photophysical properties of dihydroindeno[2,1- <i>b</i> ]fluorene-based imide derivatives. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 7514-7522.	2.8	22
54	Electron-donating strength dependent symmetry breaking charge transfer dynamics of quadrupolar molecules. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 15743-15750.	2.8	22

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55	Determination of the Formation of Dark State via Depleted Spontaneous Emission in a Complex Solvated Molecule. <i>Journal of Physical Chemistry A</i> , 2007, 111, 5800-5805.	2.5	21
56	Photophysical properties of octupolar triazatruxene-based chromophores. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 6789-6798.	2.8	21
57	Fluorescence intensity and lifetime fluctuations of single Cy5 molecules immobilized on the glass surface. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2005, 257-258, 203-209.	4.7	19
58	Intramolecular Charge Transfer and Solvation of Photoactive Molecules with Conjugated Push-Pull Structures. <i>ChemPhysChem</i> , 2016, 17, 3245-3251.	2.1	19
59	Unraveling heterogeneous microviscosities of the 1-alkyl-3-methylimidazolium hexafluorophosphate ionic liquids with different chain lengths. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 16074.	2.8	18
60	Ultrafast excited state intramolecular proton/charge transfers in novel NIR-emitting molecules. <i>AIP Advances</i> , 2019, 9, .	1.3	18
61	Spectral and intramolecular charge transfer properties in terminal donor/acceptor-substituted all-trans-1,1'-diphenylpolyenes and 1,1'-diphenylpolyynes. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 17273.	2.8	17
62	Coherent control of spontaneous emission by photonic crystals. <i>Chemical Physics Letters</i> , 2007, 444, 287-291.	2.6	16
63	Single-molecule spectroscopy and femtosecond transient absorption studies on the excitation energy transfer process in ApcE(1240) dimers. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 13387-13396.	2.8	16
64	Odd-Even Effect of Thiophene Chain Lengths on Excited State Properties in Oligo(thienyl) Tj ETQq0 0 0 rgBT /Overlock 10 Jf 50 382 T	3.1	15
65	Direct Tracking Excited-State Intramolecular Charge Redistribution of Acceptor-Donor-Acceptor Molecule by Means of Femtosecond Stimulated Raman Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2021, 125, 4456-4464.	2.6	15
66	High-Efficiency Selective Electron Tunnelling in a Heterostructure Photovoltaic Diode. <i>Nano Letters</i> , 2016, 16, 3600-3606.	9.1	14
67	Influence of Thiophene Moiety on the Excited State Properties of Push-Pull Chromophores. <i>Journal of Physical Chemistry C</i> , 2016, 120, 13922-13930.	3.1	14
68	High-Density Data Recording in an Optoelectrical Dual-Responsive Thin Film. <i>ChemPhysChem</i> , 2005, 6, 1478-1482.	2.1	13
69	Solvation Controlled Excited-State Planarization in a Push-Pull Pyrene Dye. <i>Journal of Physical Chemistry C</i> , 2020, 124, 8550-8560.	3.1	13
70	Enhancing Electron and Hole Extractions for Efficient PbS Quantum Dot Solar Cells. <i>Solar Rrl</i> , 2017, 1, 1700176.	5.8	12
71	A Study of Excitation Delocalization/Localization in Multibranched Chromophores by Using Fluorescence Excitation Anisotropy Spectroscopy. <i>ChemPhysChem</i> , 2016, 17, 406-411.	2.1	11
72	Solvent-induced symmetry-breaking charge transfer in an octupolar triphenylamine derivative resolved with transient fluorescence spectroscopy. <i>Chinese Journal of Chemical Physics</i> , 2019, 32, 59-66.	1.3	11

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73	Supramolecular Polymeric Radicals: Highly Promoted Formation and Stabilization of Naphthalenediimide Radical Anions. <i>Macromolecular Rapid Communications</i> , 2020, 41, 2000080.	3.9	11
74	Time-resolved polarized absorption of C-phycoerythrin from the cyanobacterium <i>Westiellopsis prolifica</i> . <i>Journal of Photochemistry and Photobiology B: Biology</i> , 1993, 19, 111-117.	3.8	10
75	Excitation Energy Transfer in <i>meta</i> -Substituted Phenylacetylene Multibranched Chromophores. <i>Chemistry - an Asian Journal</i> , 2016, 11, 2741-2748.	3.3	10
76	Enhanced fluorescence of [[5-(4-hydroxyphenyl)[2,2'-bithiophen]-5-yl]methylene]-propanedinitrile (NIAD-4): solvation induced micro-viscosity enhancement. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 18750-18757.	2.8	10
77	Light-Induced Ring-Closing Dynamics of a Hydrogen-Bonded Adduct of Benzo[1,3]oxazine in Protic Solvents. <i>Journal of Physical Chemistry C</i> , 2016, 120, 598-605.	3.1	10
78	Neutral Dissociation of Superexcited Oxygen Molecules in Intense Laser Fields. <i>Journal of Physical Chemistry A</i> , 2010, 114, 3087-3095.	2.5	9
79	Excited-State Deactivation of Branched Phthalocyanine Compounds. <i>ChemPhysChem</i> , 2015, 16, 3893-3901.	2.1	9
80	Ultrafast relaxation dynamics of amine-substituted bipyridyl ruthenium(ii) complexes. <i>Chemical Physics Letters</i> , 2017, 683, 322-328.	2.6	9
81	Solvent Effect on Excited-State Intramolecular Proton-Coupled Charge Transfer Reaction in Two Seven-Membered Ring Pyrrole-Indole Hydrogen Bond Systems. <i>Journal of Physical Chemistry B</i> , 2021, 125, 11275-11284.	2.6	9
82	Enhancement of two-photon absorption cross section and singlet-oxygen generation in porphyrin-cored star polymers. <i>Science in China Series B: Chemistry</i> , 2009, 52, 56-63.	0.8	8
83	Single molecule fluorescence fluctuations of the cyanine dyes linked covalently to DNA. <i>Science in China Series B: Chemistry</i> , 2009, 52, 1148-1153.	0.8	8
84	Symmetry-breaking charge separation in a nitrogen-bridged naphthalene monoimide dimer. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 14007-14015.	2.8	8
85	Correlation between Excited-State Intramolecular Proton Transfer and Electron Population on Proton Donor/Acceptor in 2-(2-Hydroxyphenyl)oxazole Derivatives. <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 4486-4494.	4.6	7
86	Ultrafast excited states relaxation dynamics in solution investigated by stimulated emission from a styryl dye. <i>Journal of Luminescence</i> , 2007, 122-123, 532-535.	3.1	6
87	Excited-state localization and energy transfer in pyrene core dendrimers with fluorene/carbazole as the dendrons and acetylene as the linkages. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 4134-4143.	2.8	6
88	Energy migration within BODIPY dimer studied by single molecule spectroscopy. <i>Journal of Luminescence</i> , 2007, 122-123, 253-255.	3.1	5
89	Unveiling the Molecular Symmetry Dependence of Exciton Dissociation Processes in Small-Molecular Heterojunctions. <i>Journal of Physical Chemistry C</i> , 2018, 122, 26851-26856.	3.1	5
90	Bridge-Length- and Solvent-Dependent Charge Separation and Recombination Processes in Donor-Bridge-Acceptor Molecules. <i>Journal of Physical Chemistry B</i> , 2021, 125, 13279-13290.	2.6	5

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91	Neutral dissociation of methane in the ultra-fast laser pulse. <i>Science Bulletin</i> , 2008, 53, 1946-1950.	9.0	4
92	Phosphorescent Cationic Iridium(III) Complexes with 1,3,4-Oxadiazole Cyclometalating Ligands: Solvent-Dependent Excited-State Dynamics. <i>Chinese Journal of Chemical Physics</i> , 2017, 30, 259-267.	1.3	4
93	Comprehensive Photophysical Properties of Thiophene/Phenylene Co-oligomers Investigated by Theoretical and Experimental Studies. <i>Journal of Physical Chemistry C</i> , 2020, 124, 18946-18955.	3.1	4
94	Conformation-related excited-state charge transfer/separation of donor-acceptor chromophores. <i>Journal of Chemical Physics</i> , 2022, 156, 174902.	3.0	4
95	Photoinduced charge transfer in porphyrin-C60 oligomer. <i>Science China Chemistry</i> , 2010, 53, 419-425.	8.2	3
96	Insights into plasmon induced keto-enol isomerization. <i>Nanoscale</i> , 2020, 12, 4334-4340.	5.6	3
97	Intramolecular Energy Transfer in a Series of Star-Shaped Molecules with a Central Porphyrin Core and Four Oligocarbazole Arms. <i>Journal of Physical Chemistry C</i> , 2020, 124, 27356-27365.	3.1	2
98	Fluorescence resonance energy transfer imaging of CFP/YFP labeled NDH in cyanobacterium cell. <i>Journal of Luminescence</i> , 2007, 122-123, 463-466.	3.1	1
99	Probing Laser-Induced Heterogeneous Microenvironment Changes in Room-Temperature Ionic Liquids. <i>ChemPhysChem</i> , 2017, 18, 2881-2889.	2.1	1
100	Ultrafast Photoinduced Electron Transfer in a Photosensitizer Protein. <i>CCS Chemistry</i> , 2022, 4, 1217-1223.	7.8	1
101	Delocalized Excitation or Intramolecular Energy Transfer in Pyrene Core Dendrimers. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 7717-7725.	4.6	1
102	Probing effect of solvation on photoexcited quadrupolar donor-acceptor-donor molecule via ultrafast Raman spectroscopy. <i>Chinese Journal of Chemical Physics</i> , 2022, 35, 69-76.	1.3	1