

Jenny Clark

List of Publications by Year in descending order

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47
papers

5,764
citations

218677

26
h-index

302126

39
g-index

50
all docs

50
docs citations

50
times ranked

7436
citing authors

#	ARTICLE	IF	CITATIONS
1	Role of Intermolecular Coupling in the Photophysics of Disordered Organic Semiconductors: Aggregate Emission in Regioregular Polythiophene. <i>Physical Review Letters</i> , 2007, 98, 206406.	7.8	816
2	Ultrafast Long-Range Charge Separation in Organic Semiconductor Photovoltaic Diodes. <i>Science</i> , 2014, 343, 512-516.	12.6	807
3	Organic photonics for communications. <i>Nature Photonics</i> , 2010, 4, 438-446.	31.4	692
4	Determining exciton bandwidth and film microstructure in polythiophene films using linear absorption spectroscopy. <i>Applied Physics Letters</i> , 2009, 94, .	3.3	492
5	Giant broadband nonlinear optical absorption response in dispersed graphene single sheets. <i>Nature Photonics</i> , 2011, 5, 554-560.	31.4	425
6	Ultrafast Dynamics of Exciton Fission in Polycrystalline Pentacene. <i>Journal of the American Chemical Society</i> , 2011, 133, 11830-11833.	13.7	394
7	Molecular-weight dependence of interchain polaron delocalization and exciton bandwidth in high-mobility conjugated polymers. <i>Physical Review B</i> , 2006, 74, .	3.2	262
8	Determining exciton coherence from the photoluminescence spectral line shape in poly(3-hexylthiophene) thin films. <i>Journal of Chemical Physics</i> , 2009, 130, 074904.	3.0	241
9	Temperature-Independent Singlet Exciton Fission in Tetracene. <i>Journal of the American Chemical Society</i> , 2013, 135, 16680-16688.	13.7	198
10	The entangled triplet pair state in acene and heteroacene materials. <i>Nature Communications</i> , 2017, 8, 15953.	12.8	171
11	The Nature of Singlet Exciton Fission in Carotenoid Aggregates. <i>Journal of the American Chemical Society</i> , 2015, 137, 5130-5139.	13.7	152
12	Activated Singlet Exciton Fission in a Semiconducting Polymer. <i>Journal of the American Chemical Society</i> , 2013, 135, 12747-12754.	13.7	143
13	Femtosecond torsional relaxation. <i>Nature Physics</i> , 2012, 8, 225-231.	16.7	122
14	Manipulating molecules with strong coupling: harvesting triplet excitons in organic exciton microcavities. <i>Chemical Science</i> , 2020, 11, 343-354.	7.4	98
15	Triplet-Pair States in Organic Semiconductors. <i>Annual Review of Physical Chemistry</i> , 2019, 70, 323-351.	10.8	96
16	Triplet Dynamics in Pentacene Crystals: Applications to Fission-Sensitized Photovoltaics. <i>Advanced Materials</i> , 2014, 26, 919-924.	21.0	62
17	Efficient Radiative Pumping of Polaritons in a Strongly Coupled Microcavity by a Fluorescent Molecular Dye. <i>Advanced Optical Materials</i> , 2016, 4, 1615-1623.	7.3	61
18	Intermolecular states in organic dye dispersions: excimers vs. aggregates. <i>Journal of Materials Chemistry C</i> , 2017, 5, 8380-8389.	5.5	60

#	ARTICLE	IF	CITATIONS
19	Control of Intrachain Charge Transfer in Model Systems for Block Copolymer Photovoltaic Materials. <i>Journal of the American Chemical Society</i> , 2013, 135, 5074-5083.	13.7	57
20	Emissive spin-0 triplet-pairs are a direct product of triplet-triplet annihilation in pentacene single crystals and anthradithiophene films. <i>Nature Chemistry</i> , 2021, 13, 163-171.	13.6	45
21	Spin Statistics for Triplet-Triplet Annihilation Upconversion: Exchange Coupling, Intermolecular Orientation, and Reverse Intersystem Crossing. <i>Jacs Au</i> , 2021, 1, 2188-2201.	7.9	44
22	Two-Photon Poly(phenylenevinylene) DFB Laser. <i>Chemistry of Materials</i> , 2011, 23, 805-809.	6.7	36
23	Nanoscale Imaging of the Interface Dynamics in Polymer Blends by Femtosecond Pump-Probe Confocal Microscopy. <i>Advanced Materials</i> , 2010, 22, 3048-3051.	21.0	35
24	Humidity, light and temperature dependent characteristics of Au/N-BuHHPDI/Au surface type multifunctional sensor. <i>Sensors and Actuators B: Chemical</i> , 2014, 192, 565-571.	7.8	35
25	In optimized rubrene-based nanoparticle blends for photon upconversion, singlet energy collection outcompetes triplet-pair separation, not singlet fission. <i>Journal of Materials Chemistry C</i> , 2022, 10, 4684-4696.	5.5	33
26	A hybrid organic-inorganic polariton LED. <i>Light: Science and Applications</i> , 2019, 8, 81.	16.6	30
27	Metal-organic framework nanosheets for enhanced performance of organic photovoltaic cells. <i>Journal of Materials Chemistry A</i> , 2020, 8, 6067-6075.	10.3	30
28	Ultrafast optofluidic gain switch based on conjugated polymer in femtosecond laser fabricated microchannels. <i>Applied Physics Letters</i> , 2009, 94, 041123.	3.3	28
29	Heavy-atom effects on intramolecular singlet fission in a conjugated polymer. <i>Journal of Chemical Physics</i> , 2019, 151, 044902.	3.0	22
30	Femtosecond laser fabrication of microfluidic channels for organic photonic devices. <i>Applied Optics</i> , 2009, 48, G114.	2.1	20
31	Charge recombination in distributed heterostructures of semiconductor discotic and polymeric materials. <i>Journal of Applied Physics</i> , 2008, 103, 124510.	2.5	16
32	Gain and ultrafast optical switching in PMMA optical fibers and films doped with luminescent conjugated polymers and oligomers. <i>Frontiers of Optoelectronics in China</i> , 2010, 3, 45-53.	0.2	14
33	Strong coupling in a microcavity containing \hat{I}^2 -carotene. <i>Optics Express</i> , 2018, 26, 3320.	3.4	10
34	Metal-Organic Framework Nanosheets as Templates to Enhance Performance in Semi-Crystalline Organic Photovoltaic Cells. <i>Advanced Science</i> , 2022, 9, .	11.2	4
35	A Thermostable Protein Matrix for Spectroscopic Analysis of Organic Semiconductors. <i>Journal of the American Chemical Society</i> , 2020, 142, 13898-13907.	13.7	3
36	Stimulated emission and ultrafast optical switching in a ter(9,9-difluoro-2,7-spirobifluorene)-methacrylate copolymer. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2011, 49, 52-61.	2.1	2

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37	Pump-push-probe transient spectroscopy of isolated conjugated oligomers. Springer Series in Chemical Physics, 2009, , 463-465.	0.2	2
38	Polaritons: Efficient Radiative Pumping of Polaritons in a Strongly Coupled Microcavity by a Fluorescent Molecular Dye (Advanced Optical Materials 10/2016). Advanced Optical Materials, 2016, 4, 1614-1614.	7.3	1
39	A tale of two triplets: manipulating and harvesting triplet pairs with strong light-matter coupling (Conference Presentation). , 2018, , .		1
40	Ultrafast Long-Range Charge Separation in Organic Semiconductor Photovoltaic Diodes. , 2014, , .		1
41	Investigation of Local Dynamics on the Sub-micron Scale in Organic Blends Using an Ultrafast Confocal Microscope. Materials Research Society Symposia Proceedings, 2010, 1270, 1.	0.1	0
42	Plastic optical fibres dopants to obtain gain enlargement and ultrafast optical switching. , 2011, , .		0
43	Ultrafast Photonics in Polymers. , 2008, , .		0
44	Ultrafast Confocal Microscope for Functional Imaging of Organic Thin Films. Springer Proceedings in Physics, 2009, , 161-165.	0.2	0
45	Polaritonic Triplet Harvesting. , 0, , .		0
46	Polaritonic Triplet Harvesting. , 0, , .		0
47	Pairs of triplets in films, proteins and microcavities.. , 0, , .		0