Jan Vogelsang

List of Publications by Year
in descending order

45 papers	2,560 citations	331670 21 h-index	254184 43 g-index
46 all docs	46 docs citations	46 times ranked	3319 citing authors

#	Article	IF	Citations
1	A Reducing and Oxidizing System Minimizes Photobleaching and Blinking of Fluorescent Dyes. Angewandte Chemie - International Edition, 2008, 47, 5465-5469.	13.8	538
2	On the Mechanism of Trolox as Antiblinking and Antibleaching Reagent. Journal of the American Chemical Society, 2009, 131, 5018-5019.	13.7	287
3	Controlling the fluorescence of ordinary oxazine dyes for single-molecule switching and superresolution microscopy. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 8107-8112.	7.1	250
4	Superresolution Microscopy on the Basis of Engineered Dark States. Journal of the American Chemical Society, 2008, 130, 16840-16841.	13.7	193
5	Make them Blink: Probes for Superâ€Resolution Microscopy. ChemPhysChem, 2010, 11, 2475-2490.	2.1	183
6	Self-assembly of highly ordered conjugated polymer aggregates with long-range energyÂtransfer. Nature Materials, 2011, 10, 942-946.	27.5	112
7	Switching between H- and J-type electronic coupling in single conjugated polymer aggregates. Nature Communications, 2017, 8, 1641.	12.8	100
8	Watching the Annealing Process One Polymer Chain at a Time. Angewandte Chemie - International Edition, 2011, 50, 2257-2261.	13.8	97
9	Fluctuating exciton localization in giant Ï€-conjugated spoked-wheel macrocycles. Nature Chemistry, 2013, 5, 964-970.	13.6	89
10	Unraveling the chromophoric disorder of poly(3-hexylthiophene). Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, E3550-6.	7.1	70
11	Singlet-Triplet Annihilation Limits Exciton Yield in Poly(3-Hexylthiophene). Physical Review Letters, 2014, 112, 137402.	7.8	66
12	Mesoscopic quantum emitters from deterministic aggregates of conjugated polymers. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E5560-6.	7.1	42
13	Temporal Switching of Homo-FRET Pathways in Single-Chromophore Dimer Models of Ï€-Conjugated Polymers. Journal of the American Chemical Society, 2013, 135, 78-81.	13.7	41
14	Single-molecule photoredox catalysis. Chemical Science, 2019, 10, 681-687.	7.4	40
15	Interchromophoric Interactions Determine the Maximum Brightness Density in DNA Origami Structures. Nano Letters, 2019, 19, 1275-1281.	9.1	40
16	Solvent Vapor Annealing of Single Conjugated Polymer Chains: Building Organic Optoelectronic Materials from the Bottom Up. Journal of Physical Chemistry Letters, 2012, 3, 1503-1513.	4.6	37
17	Intrinsically Resolution Enhancing Probes for Confocal Microscopy. Nano Letters, 2010, 10, 672-679.	9.1	26
18	Chromophore Bending Controls Fluorescence Lifetime in Single Conjugated Polymer Chains. Journal of Physical Chemistry Letters, 2014, 5, 2165-2170.	4.6	26

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19	Interplay Between Jâ€•and Hâ€Type Coupling in Aggregates of Ï€â€Conjugated Polymers: A Singleâ€Molecule Perspective. Angewandte Chemie - International Edition, 2019, 58, 18898-18902.	13.8	24
20	Spontaneous Fluctuations of Transition Dipole Moment Orientation in OLED Triplet Emitters. Journal of Physical Chemistry Letters, 2015, 6, 999-1004.	4.6	23
21	Role of Triplet-State Shelving in Organic Photovoltaics: Single-Chain Aggregates of Poly(3-hexylthiophene) versus Mesoscopic Multichain Aggregates. Journal of the American Chemical Society, 2017, 139, 9787-9790.	13.7	22
22	Temporal Fluctuations in Excimer-Like Interactions between Ï€-Conjugated Chromophores. Journal of Physical Chemistry Letters, 2015, 6, 1321-1326.	4.6	21
23	Energy Transfer from Perovskite Nanocrystals to Dye Molecules Does Not Occur by FRET. Nano Letters, 2019, 19, 8896-8902.	9.1	21
24	Chemical Photocatalysis with Rhodamine 6G: Investigation of Photoreduction by Simultaneous Fluorescence Correlation Spectroscopy and Fluorescence Lifetime Measurements. Journal of Physical Chemistry B, 2018, 122, 10728-10735.	2.6	19
25	Picosecond time-resolved photon antibunching measures nanoscale exciton motion and the true number of chromophores. Nature Communications, 2021, 12, 1327.	12.8	18
26	Molecular Water Lilies: Orienting Single Molecules in a Polymer Film by Solvent Vapor Annealing. Journal of Physical Chemistry Letters, 2016, 7, 4451-4457.	4.6	17
27	Unraveling the Electronic Heterogeneity of Charge Traps in Conjugated Polymers by Single-Molecule Spectroscopy. Journal of Physical Chemistry Letters, 2014, 5, 573-577.	4.6	16
28	Control of Intrachain Morphology in the Formation of Polyfluorene Aggregates on the Singleâ€Molecule Level. ChemPhysChem, 2020, 21, 961-965.	2.1	16
29	Molecular Polygons Probe the Role of Intramolecular Strain in the Photophysics of Ï€â€Conjugated Chromophores. Angewandte Chemie - International Edition, 2017, 56, 1234-1238.	13.8	15
30	Exciton Gating and Triplet Deshelving in Single Dye Molecules Excited by Perovskite Nanocrystal FRET Antennae. Journal of Physical Chemistry Letters, 2019, 10, 1055-1062.	4.6	14
31	Determining the True Optical Gap in a High-Performance Organic Photovoltaic Polymer Using Single-Molecule Spectroscopy. Journal of Physical Chemistry Letters, 2017, 8, 3494-3499.	4.6	12
32	Molecular excitonic seesaws. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E3626-E3634.	7.1	12
33	H-Aggregation Effects between Ï€-Conjugated Chromophores in Cofacial Dimers and Trimers: Comparison of Theory and Single-Molecule Experiment. Journal of Physical Chemistry B, 2018, 122, 6431-6441.	2.6	12
34	Differentiation between Shallow and Deep Charge Trap States on Single Poly(3â€hexylthiophene) Chains through Fluorescence Photon Statistics. ChemPhysChem, 2015, 16, 3578-3583.	2.1	8
35	Homo-FRET in Ï€-Conjugated Polygons: Intermediate-Strength Dipoleâ€"Dipole Coupling Makes Energy Transfer Reversible. Nano Letters, 2019, 19, 5483-5488.	9.1	8
36	Impact of charge carrier injection on single-chain photophysics of conjugated polymers. Applied Physics Letters, 2016, 108, .	3.3	7

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37	Photon correlations probe the quantized nature of light emission from optoelectronic materials. Applied Physics Reviews, 2021, 8, .	11.3	6
38	Dynamic Quenching of Triplet Excitons in Single Conjugated-Polymer Chains. Journal of Physical Chemistry Letters, 2020, 11, 5192-5198.	4.6	5
39	Interplay Between Jâ€•and Hâ€Type Coupling in Aggregates of Ï€â€Conjugated Polymers: A Singleâ€Molecule Perspective. Angewandte Chemie, 2019, 131, 19074-19078.	2.0	3
40	Vibrations Responsible for Luminescence from HJ-Aggregates of Conjugated Polymers Identified by Cryogenic Spectroscopy of Single Nanoparticles. ACS Nano, 2022, 16, 6382-6393.	14.6	3
41	Fluctuations in the Emission Polarization and Spectrum in Single Chains of a Common Conjugated Polymer for Organic Photovoltaics. Small, 2018, 14, e1804312.	10.0	2
42	Tracking Exciton Diffusion and Exciton Annihilation in Single Nanoparticles of Conjugated Polymers by Photon Correlation Spectroscopy. Advanced Optical Materials, 2022, 10, 2200092.	7.3	2
43	Innentitelbild: Watching the Annealing Process One Polymer Chain at a Time (Angew. Chem. 10/2011). Angewandte Chemie, 2011, 123, 2238-2238.	2.0	0
44	Inside Cover: Watching the Annealing Process One Polymer Chain at a Time (Angew. Chem. Int. Ed.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	13.8	0
45	How Blinking Affects Photon Correlations in Multichromophoric Nanoparticles. ACS Nano, 2021, , .	14.6	0