Sophia C Hayes

List of Publications by Year
in descending order

34 papers	909 citations	567281 15 h-index	454955 30 g-index
37 all docs	37 docs citations	37 times ranked	1723 citing authors

#	Article	IF	Citations
1	Exploring the origin of high optical absorption in conjugated polymers. Nature Materials, 2016, 15, 746-753.	27.5	314
2	Direct observation of ultrafast long-range charge separation at polymerâ€“fullerene heterojunctions. Nature Communications, 2014, 5, 4288.	12.8	140
3	Geminate recombination and vibrational relaxation dynamics of aqueous chlorine dioxide: A time-resolved resonance Raman study. Journal of Chemical Physics, 1998, 109, 2596-2599.	3.0	37
4	A Time-Resolved Resonance Raman Study of Chlorine Dioxide Photochemistry in Water and Acetonitrile. Journal of Physical Chemistry A, 1999, 103, 5534-5546.	2.5	37
5	Emission from the stable Blatter radical. New Journal of Chemistry, 2017, 41, 8604-8613.	2.8	37
6	The formation of ClOO following the photoexcitation of aqueous OClO studied by two-color, time-resolved resonance Raman spectroscopy. Journal of Chemical Physics, 2000, 112, 505-508.	3.0	35
7	Femtosecond pumpâ€“probe studies of chlorine dioxide photochemistry in water and acetonitrile. Chemical Physics, 1998, 236, 207-224.	1.9	28
8	Resonance Raman Investigation of Î²-Cyclodextrin-Encapsulated Ï€-Conjugated Polymers. Journal of Physical Chemistry B, 2013, 117, 5737-5747.	2.6	22
9	The production and decay kinetics of ClOO in water and freon-11: A time-resolved resonance raman study. Journal of Chemical Physics, 2001, 115, 11228-11238.	3.0	20
10	Tetraphenylhexaazaanthracenes: 16Ï€ Weakly Antiaromatic Species with Singlet Ground States. Organic Letters, 2015, 17, 4026-4029.	4.6	20
11	Managing Local Order in Conjugated Polymer Blends via Polarity Contrast. Chemistry of Materials, 2019, 31, 6540-6547.	6.7	20
12	Femtosecond UV Pump/Near-IR Probe Studies of the Solvent-Dependent Excited-State Decay Dynamics of Chlorine Dioxide. Journal of Physical Chemistry A, 2001, 105, 9819-9826.	2.5	18
13	Investigating the phase-dependent photochemical reaction dynamics of chlorine dioxide using resonance Raman spectroscopy. International Reviews in Physical Chemistry, 2002, 21, 405-432.	2.3	17
14	CYP2J19 mediates carotenoid colour introgression across a natural avian hybrid zone. Molecular Ecology, 2020, 29, 4970-4984.	3.9	17
15	The Importance of Microstructure in Determining Polaron Generation Yield in Poly(9,9-dioctylfluorene). Chemistry of Materials, 2019, 31, 6787-6797.	6.7	16
16	UV resonance Raman spectroscopy of TTR(105â€“115): determination of the pKa of tyrosine. Physical Chemistry Chemical Physics, 2009, 11, 5302.	2.8	15
17	Analysis of the excited-state absorption spectral bandshape of oligofluorenes. Journal of Chemical Physics, 2010, 132, 214510.	3.0	15
18	Intermolecular hydrogen bonding in chlorine dioxide photochemistry: A time-resolved resonance Raman study. Chemical Physics, 2001, 263, 389-400.	1.9	12

#	Article	IF	Citations
19	Charge-transfer excitons in strongly coupled organic semiconductors. Physical Review B, 2010, 81, .	3.2	12
20	Oxidation of Tetraphenylhexaazaanthracene: Accessing a Scissor Dimer of a 16ÏЄ Biscyanine. Organic Letters, 2016, 18, 1116-1119.	4.6	12
21	Salt-induced thermochromism of a conjugated polyelectrolyte. Physical Chemistry Chemical Physics, 2017, 19, 28853-28866.	2.8	12
22	Correlating the effective work function at buried organic/metal interfaces with organic solar cell characteristics. Journal of Materials Chemistry C, 2018, 6, 8060-8068.	5.5	10
23	On the actinic wavelength dependence of OClO photochemistry in solution. Journal of Chemical Physics, 2003, 118, 1883-1890.	3.0	8
24	Time resolved infrared absorption studies of geminate recombination and vibrational relaxation in OClO photochemistry. Journal of Chemical Physics, 2004, 121, 4795-4803.	3.0	8
25	Spectroscopic characterization of C-4 substituted 3,5-dichloro-4H-1,2,6-thiadiazines. RSC Advances, 2015, 5, 18471-18481.	3.6	8
26	UV Resonance Raman Study of TTR(105â˜’115) Structural Evolution as a Function of Temperature. Journal of Physical Chemistry B, 2011, 115, 4088-4098.	2.6	6
27	Impact of Structural Polymorphs on Charge Collection and Nongeminate Recombination in Organic Photovoltaic Devices. Journal of Physical Chemistry C, 2018, 122, 29141-29149.	3.1	5
28	Structural and Photophysical Templating of Conjugated Polyelectrolytes with Single-Stranded DNA. Chemistry of Materials, 2020, 32, 7347-7362.	6.7	4
29	Resonance Raman study of the J-type aggregation process of a water soluble perylene bisimide. Physical Chemistry Chemical Physics, 2019, 21, 18300-18309.	2.8	2
30	Resonance Raman Intensity Analysis of ClNO2 Dissolved in Methanol. Journal of Physical Chemistry A, 2013, 117, 300-310.	2.5	1
31	Analysis of depolarization ratios of ClNO2 dissolved in methanol. Journal of Chemical Physics, 2014, 140, 014301.	3.0	1
32	Intermolecular Hydrogen Bonding in Chlorine Dioxide Photochemistry: A Time-Resolved Resonance Raman Study. ACS Symposium Series, 2002, , 136-147.	0.5	0
33	Effect of molecular weight on the vibronic structure of a diketopyrrolopyrrole polymer. Proceedings of SPIE, 2016, , .	0.8	0
34	Polyrotaxanes (Conjugated). , 2013, , 1-13.		0