

Brian J Walker

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

2,300
citations

430874

18
h-index

794594

19
g-index

21
all docs

21
docs citations

21
times ranked

3656
citing authors

#	ARTICLE	IF	CITATIONS
1	Identification of a triplet pair intermediate in singlet exciton fission in solution. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 7656-7661.	7.1	178
2	Role of PbSe Structural Stabilization in Photovoltaic Cells. Advanced Functional Materials, 2015, 25, 928-935.	14.9	21
3	Geminate and Nongeminate Recombination of Triplet Excitons Formed by Singlet Fission. Physical Review Letters, 2014, 112, 238701.	7.8	67
4	Resonant energy transfer of triplet excitons from pentacene to PbSe nanocrystals. Nature Materials, 2014, 13, 1033-1038.	27.5	246
5	Thermally-Limited Exciton Delocalization in Superradiant Molecular Aggregates. Journal of Physical Chemistry B, 2013, 117, 4553-4559.	2.6	51
6	Singlet exciton fission in solution. Nature Chemistry, 2013, 5, 1019-1024.	13.6	450
7	Preventing Interfacial Recombination in Colloidal Quantum Dot Solar Cells by Doping the Metal Oxide. ACS Nano, 2013, 7, 4210-4220.	14.6	132
8	Nanopatterned Electrically Conductive Films of Semiconductor Nanocrystals. Nano Letters, 2012, 12, 4404-4408.	9.1	47
9	COUPLING BETWEEN J-AGGREGATES AND INORGANIC EXCITONS. , 2012, , 181-193.		1
10	In situ measurement of exciton energy in hybrid singlet-fission solar cells. Nature Communications, 2012, 3, 1019.	12.8	165
11	Twenty-Fold Enhancement of Molecular Fluorescence by Coupling to a J-Aggregate Critically Coupled Resonator. ACS Nano, 2012, 6, 467-471.	14.6	28
12	Alternating layer addition approach to CdSe/CdS core/shell quantum dots with near-unity quantum yield and high on-time fractions. Chemical Science, 2012, 3, 2028.	7.4	207
13	Color-Selective Photocurrent Enhancement in Coupled J-Aggregate/Nanowires Formed in Solution. Nano Letters, 2011, 11, 2655-2659.	9.1	72
14	Synthesis of Cadmium Arsenide Quantum Dots Luminescent in the Infrared. Journal of the American Chemical Society, 2011, 133, 4676-4679.	13.7	74
15	Mechanistic Insights into the Formation of InP Quantum Dots. Angewandte Chemie - International Edition, 2010, 49, 760-762.	13.8	155
16	Quantum Dot/J-Aggregate Blended Films for Light Harvesting and Energy Transfer. Nano Letters, 2010, 10, 3995-3999.	9.1	69
17	Electrostatic Formation of Quantum Dot/J-aggregate FRET Pairs in Solution. Journal of Physical Chemistry C, 2009, 113, 9986-9992.	3.1	76
18	Narrow-Band Absorption-Enhanced Quantum Dot/J-Aggregate Conjugates. Journal of the American Chemical Society, 2009, 131, 9624-9625.	13.7	61

#	ARTICLE	IF	CITATIONS
19	A New Interpretation of the Baylis-Hillman Mechanism. <i>Journal of Organic Chemistry</i> , 2005, 70, 3980-3987.	3.2	193