

Steven W Magennis

List of Publications by Year in descending order

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48
papers

2,215
citations

218677

26
h-index

214800

47
g-index

52
all docs

52
docs citations

52
times ranked

3300
citing authors

#	ARTICLE	IF	CITATIONS
1	Highly Luminescent, Triple- and Quadruple-Stranded, Dinuclear Eu, Nd, and Sm(III) Lanthanide Complexes Based on Bis-Diketonate Ligands. <i>Journal of the American Chemical Society</i> , 2004, 126, 9413-9424.	13.7	339
2	High-efficiency green phosphorescence from spin-coated single-layer dendrimer light-emitting diodes. <i>Applied Physics Letters</i> , 2002, 80, 2645-2647.	3.3	227
3	Dual Triggering of DNA Binding and Fluorescence via Photoactivation of a Dinuclear Ruthenium(II) Arene Complex. <i>Inorganic Chemistry</i> , 2007, 46, 5059-5068.	4.0	96
4	On the Origin of Broadening of Single-Molecule FRET Efficiency Distributions beyond Shot Noise Limits. <i>Journal of Physical Chemistry B</i> , 2010, 114, 6197-6206.	2.6	96
5	Assembly of Hydrophobic Shells and Shields around Lanthanides. <i>Chemistry - A European Journal</i> , 2002, 8, 5761-5771.	3.3	93
6	Time-resolved fluorescence of 2-aminopurine as a probe of base flipping in M.HhaI-DNA complexes. <i>Nucleic Acids Research</i> , 2005, 33, 6953-6960.	14.5	85
7	Quantitative mapping of aqueous microfluidic temperature with sub-degree resolution using fluorescence lifetime imaging microscopy. <i>Lab on A Chip</i> , 2010, 10, 1267.	6.0	74
8	Production and luminescent properties of CdSe and CdS nanoparticle-polymer composites. <i>Journal of Luminescence</i> , 2004, 109, 163-172.	3.1	73
9	Modification of Fluorophore Photophysics through Peptide-Driven Self-Assembly. <i>Journal of the American Chemical Society</i> , 2008, 130, 5487-5491.	13.7	72
10	Crowding-Induced Hybridization of Single DNA Hairpins. <i>Journal of the American Chemical Society</i> , 2015, 137, 16020-16023.	13.7	70
11	Imidodiphosphate ligands as antenna units in luminescent lanthanide complexes. <i>Chemical Communications</i> , 1999, , 61-62.	4.1	69
12	Two-photon luminescence from polar bis-terpyridyl-stilbene derivatives of Ir(III) and Ru(II). <i>Dalton Transactions</i> , 2010, 39, 10837.	3.3	63
13	Time-dependence of erbium(III) tris(8-hydroxyquinolate) near-infrared photoluminescence: implications for organic light-emitting diode efficiency. <i>Synthetic Metals</i> , 2003, 138, 463-469.	3.9	60
14	Two-Photon-Induced Photoisomerization of an Azo Dye. <i>Chemistry of Materials</i> , 2005, 17, 2059-2062.	6.7	57
15	High-precision FLIM-FRET in fixed and living cells reveals heterogeneity in a simple CFP-YFP fusion protein. <i>Biophysical Chemistry</i> , 2007, 127, 155-164.	2.8	55
16	Characterization of the photoproducts of protoporphyrin IX bound to human serum albumin and immunoglobulin G. <i>Biophysical Chemistry</i> , 2004, 109, 351-360.	2.8	51
17	Mitochondria-targeted spin-labelled luminescent iridium anticancer complexes. <i>Chemical Science</i> , 2017, 8, 8271-8278.	7.4	46
18	Branchpoint Expansion in a Fully Complementary Three-Way DNA Junction. <i>Journal of the American Chemical Society</i> , 2012, 134, 6280-6285.	13.7	44

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19	Evidence of Tautomerism in 2-Aminopurine from Fluorescence Lifetime Measurements. <i>Journal of Physical Chemistry B</i> , 2004, 108, 17606-17610.	2.6	43
20	Global Structure of Forked DNA in Solution Revealed by High-Resolution Single-Molecule FRET. <i>Journal of the American Chemical Society</i> , 2011, 133, 1188-1191.	13.7	36
21	Synthesis and Excited State Spectroscopy of Tris(distyrylbenzyl)amine-cored Electroluminescent Dendrimers. <i>Macromolecules</i> , 2002, 35, 7891-7901.	4.8	35
22	Pentacyclic adenine: a versatile and exceptionally bright fluorescent DNA base analogue. <i>Chemical Science</i> , 2018, 9, 3494-3502.	7.4	34
23	Quantitative comparison of thermal and solutal transport in a T-mixer by FLIM and CFD. <i>Microfluidics and Nanofluidics</i> , 2008, 5, 603-617.	2.2	33
24	Quantitative Spatial Mapping of Mixing in Microfluidic Systems. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 6512-6516.	13.8	30
25	Stacking-induced fluorescence increase reveals allosteric interactions through DNA. <i>Nucleic Acids Research</i> , 2018, 46, 11618-11626.	14.5	29
26	Crown ether lanthanide complexes as building blocks for luminescent ternary complexes. <i>Polyhedron</i> , 2003, 22, 745-754.	2.2	26
27	Enzymatic Single-Molecule Kinetic Isotope Effects. <i>Journal of the American Chemical Society</i> , 2013, 135, 3855-3864.	13.7	21
28	Production and luminescent properties of CdSe and CdS nanoparticle-polymer composites. <i>Journal of Luminescence</i> , 2004, 109, 163-172.	3.1	20
29	The effect of intermolecular interactions on the electro-optical properties of porphyrin dendrimers with conjugated dendrons. <i>Journal of Materials Chemistry</i> , 2003, 13, 235-242.	6.7	19
30	Conformationally rigid pyrazoloquinazoline β -amino acids: one- and two-photon induced fluorescence. <i>Chemical Communications</i> , 2020, 56, 1887-1890.	4.1	18
31	Conformational and migrational dynamics of slipped-strand DNA three-way junctions containing trinucleotide repeats. <i>Nature Communications</i> , 2021, 12, 204.	12.8	18
32	Two-photon excitation of the fluorescent nucleobase analogues 2-AP and tC. <i>RSC Advances</i> , 2012, 2, 11397.	3.6	16
33	Pulse-shaped two-photon excitation of a fluorescent base analogue approaches single-molecule sensitivity. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 28487-28498.	2.8	16
34	Single-Molecule Detection of a Fluorescent Nucleobase Analogue via Multiphoton Excitation. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 5008-5012.	4.6	16
35	Single-molecule fluorescence detection of a tricyclic nucleoside analogue. <i>Chemical Science</i> , 2021, 12, 2623-2628.	7.4	16
36	Photophysics and X-ray Structure of Crystalline 2-Aminopurine. <i>ChemPhysChem</i> , 2007, 8, 1095-1102.	2.1	14

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37	Two-Photon-Induced Fluorescence of Isomorphous Nucleobase Analogs. <i>ChemPhysChem</i> , 2014, 15, 867-871.	2.1	14
38	The synthesis, structure and selected reactivity of a series of tricarbonyl ruthenium complexes with 1,3-dienes and heterodienes. <i>Journal of Organometallic Chemistry</i> , 1999, 574, 302-310.	1.8	13
39	Surface Charge Control of Quantum Dot Blinking. <i>Journal of Physical Chemistry C</i> , 2016, 120, 19487-19491.	3.1	13
40	Conformational Heterogeneity in a Fully Complementary DNA Three-Way Junction with a GC-Rich Branchpoint. <i>Biochemistry</i> , 2017, 56, 4985-4991.	2.5	12
41	Signal enhancement in multiphoton TIRF microscopy by shaping of broadband femtosecond pulses. <i>Optics Express</i> , 2012, 20, 25948.	3.4	11
42	Probing the Liquid-State Structure and Dynamics of Aqueous Solutions by Fluorescence Spectroscopy. <i>Journal of Fluorescence</i> , 2004, 14, 91-97.	2.5	8
43	Single-Molecule Fluorescence Detection of a Synthetic Heparan Sulfate Disaccharide. <i>ChemPhysChem</i> , 2016, 17, 3442-3446.	2.1	8
44	Optical detection of gadolinium(iii) ions via quantum dot aggregation. <i>RSC Advances</i> , 2017, 7, 24730-24735.	3.6	8
45	Two-Photon Detection of Organotin Schiff Base Complexes in Cancer Cells. <i>ChemistrySelect</i> , 2020, 5, 1623-1627.	1.5	6
46	Sub-Ensemble Monitoring of DNA Strand Displacement Using Multiparameter Single-Molecule FRET. <i>ChemPhysChem</i> , 2018, 19, 551-555.	2.1	5
47	Probing DNA Dynamics: Stacking-Induced Fluorescence Increase (SIFI) versus FRET. <i>ChemPhotoChem</i> , 2020, 4, 664-667.	3.0	3
48	Metallation-Induced Heterogeneous Dynamics of DNA Revealed by Single-Molecule FRET. <i>Chemistry - A European Journal</i> , 2020, 26, 4980-4987.	3.3	0