

Kevin Belfield

List of Publications by Year in descending order

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230
papers

8,267
citations

44066

48
h-index

62593

80
g-index

245
all docs

245
docs citations

245
times ranked

7832
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantification of bone marrow interstitial pH and calcium concentration by intravital ratiometric imaging. <i>Nature Communications</i> , 2022, 13, 393.	12.8	17
2	New Two-Photon Absorbing Squaraine Derivative with Efficient Near-Infrared Fluorescence, Superluminescence, and High Photostability. <i>Journal of Physical Chemistry B</i> , 2022, 126, 3897-3907.	2.6	5
3	Regulating Mitochondrial pH with Light and Implications for Chemoresistance. <i>Chemistry - A European Journal</i> , 2021, 27, 247-251.	3.3	9
4	Potassium Ion Fluorescence Probes: Structures, Properties and Bioimaging. <i>ChemPhotoChem</i> , 2021, 5, 317-325.	3.0	15
5	Biphasic Effects of Ethanol Exposure on Waste Metabolites Clearance in the CNS. <i>Molecular Neurobiology</i> , 2021, 58, 3953-3967.	4.0	3
6	Nature of Fast Relaxation Processes and Spectroscopy of a Membrane-Active Peptide Modified with Fluorescent Amino Acid Exhibiting Excited State Intramolecular Proton Transfer and Efficient Stimulated Emission. <i>ACS Omega</i> , 2021, 6, 10119-10128.	3.5	3
7	Nature of Linear Spectral Properties and Fast Electronic Relaxations in Green Fluorescent Pyrrolo[3,4-c]Pyridine Derivative. <i>International Journal of Molecular Sciences</i> , 2021, 22, 5592.	4.1	6
8	Activating Acid-Sensing Ion Channels with Photoacid Generators. <i>ChemPhotoChem</i> , 2020, 4, 5337-5340.	3.0	0
9	Donor-Pi-Acceptor Fluorene Conjugates, Based on Chalcone and Pyrimidine Derivatives: an Insight into Structure-Property Relationship, Photophysical and Electrochemical Properties. <i>Journal of Fluorescence</i> , 2020, 30, 419-426.	2.5	4
10	Dye-Loaded Quasomes Exhibiting FRET as Nanoprobes for Bioimaging. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 20253-20262.	8.0	24
11	Mitochondria Penetrating Peptide-Conjugated TAMRA for Live-Cell Long-Term Tracking. <i>Bioconjugate Chemistry</i> , 2019, 30, 2312-2316.	3.6	22
12	Alcohol promotes waste clearance in the CNS via brain vascular reactivity. <i>Free Radical Biology and Medicine</i> , 2019, 143, 115-126.	2.9	18
13	Electronic Nature of Neutral and Charged Two-Photon Absorbing Squaraines for Fluorescence Bioimaging Application. <i>ACS Omega</i> , 2019, 4, 14669-14679.	3.5	19
14	Electronic nature of new styryl dye bases: Linear photophysical, photochemical, and transient absorption spectroscopy studies. <i>Dyes and Pigments</i> , 2019, 170, 107582.	3.7	2
15	Squaraine-hydrazine adducts for fast and colorimetric detection of aldehydes in aqueous media. <i>Sensors and Actuators B: Chemical</i> , 2019, 292, 88-93.	7.8	18
16	1-(2-Hydroxy-5-((trimethylsilyl)ethynyl)phenyl)ethanone based π - π^* -unsaturated derivatives an alternate to non-sulfonamide carbonic anhydrase II inhibitors, synthesis via Sonogashira coupling, binding analysis, Lipinski's rule validation. <i>Bioorganic Chemistry</i> , 2019, 84, 170-176.	4.1	8
17	Novel mitochondria penetrating peptide for live-cell long-term tracking of mitochondria. , 2019, , .		0
18	Electronic Nature of Nonlinear Optical Properties of a Symmetrical Two-Photon Absorbing Fluorene Derivative: Experimental Study and Theoretical Modeling. <i>Journal of Physical Chemistry C</i> , 2018, 122, 5664-5672.	3.1	10

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19	Systematic Molecular Engineering of a Series of Aniline-Based Squaraine Dyes and Their Structure-Related Properties. <i>Journal of Physical Chemistry C</i> , 2018, 122, 3994-4008.	3.1	25
20	Perylene-based Solution-processable Conjugated Molecules for Optoelectronic Applications: Synthesis and Comparison of Different Substituents on the Optical, Thermal, and Electrochemical Properties. <i>Journal of the Chinese Chemical Society</i> , 2018, 65, 243-251.	1.4	2
21	Far-Red-to NIR-Emitting Adamantyl-Functionalized Squaraine Dye: J-Aggregation, Dissociation, and Cell Imaging. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 4095-4102.	2.4	15
22	Mechanisms of Vascular Function in Cerebrospinal Fluid Waste Metabolites Clearance Perivascular System. , 2018, , .		0
23	Two-Photon Absorption of Cationic Conjugated Polyelectrolytes: Effects of Aggregation and Application to 2-Photon-Sensitized Fluorescence from Green Fluorescent Protein. <i>Chemistry of Materials</i> , 2017, 29, 3295-3303.	6.7	26
24	Linear photophysics, two-photon absorption and femtosecond transient absorption spectroscopy of styryl dye bases. <i>Journal of Luminescence</i> , 2017, 183, 360-367.	3.1	10
25	An investigation of the effect of conjugation on fluorene based chromophores; Optoelectronic and electrochemical behavior. <i>Dyes and Pigments</i> , 2017, 147, 385-392.	3.7	0
26	Protein-induced fluorescence enhancement of two-photon excitable water-soluble diketopyrrolopyrroles. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 6511-6519.	2.8	12
27	Far-Red-Emitting TEG-Substituted Squaraine Dye: Synthesis, Optical Properties, and Selective Detection of Cyanide in Aqueous Solution. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 3957-3964.	2.4	22
28	Fluorenyl-Loaded Quatsome Nanostructured Fluorescent Probes. <i>ACS Omega</i> , 2017, 2, 4112-4122.	3.5	18
29	In Vitro Photodynamic Studies of a BODIPY-Based Photosensitizer. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 25-28.	2.4	31
30	RGD-conjugated PMAO Nanoparticles Encapsulating a Squaraine Probe for Tumor Vasculature Imaging. , 2017, , .		0
31	Nanostructured Quatsomes Encapsulating Fluorene-Derivatives for Lysosomal Labeling and Tracking. , 2017, , .		0
32	Pegylated and nanoparticle-conjugated sulfonium salt photo triggers necrotic cell death. <i>International Journal of Nanomedicine</i> , 2016, Volume 11, 6161-6168.	6.7	14
33	A Deoxyuridine-Based Far-Red Emitting Viscosity Sensor. <i>Molecules</i> , 2016, 21, 709.	3.8	5
34	A Highly Selective Fluorescence Turn-On Sensor for Extracellular Calcium Ion Detection. <i>Chemistry - A European Journal</i> , 2016, 22, 10351-10354.	3.3	27
35	Computer aided chemical design: using quantum chemical calculations to predict properties of a series of halochromic guaiazulene derivatives. <i>Royal Society Open Science</i> , 2016, 3, 160373.	2.4	10
36	Synthesis of Near-Infrared Fluorescent Two-Photon-Absorbing Fluorenyl Benzothiadiazole and Benzoselenadiazole Derivatives. <i>ACS Omega</i> , 2016, 1, 1149-1156.	3.5	30

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37	Ultrathin lensed fiber-optic probe for optical coherence tomography. Biomedical Optics Express, 2016, 7, 2154.	2.9	18
38	Linear Photophysics and Femtosecond Nonlinear Spectroscopy of a Star-Shaped Squaraine Derivative with Efficient Two-Photon Absorption. Journal of Physical Chemistry C, 2016, 120, 11099-11110.	3.1	33
39	Synthesis and Linear and Nonlinear Photophysical Characterization of Two Symmetrical Pyrene-Terminated Squaraine Derivatives. Journal of Physical Chemistry C, 2016, 120, 7829-7838.	3.1	25
40	Ultrafast spectroscopy, superluminescence and theoretical modeling of a two-photon absorbing fluorene derivative. Physical Chemistry Chemical Physics, 2016, 18, 12839-12846.	2.8	12
41	A BODIPY-Based Water-Soluble Fluorescent Probe for Mitochondria Targeting. European Journal of Organic Chemistry, 2016, 2016, 2851-2857.	2.4	34
42	New Two-Photon Absorbing BODIPY-Based Fluorescent Probe: Linear Photophysics, Stimulated Emission, and Ultrafast Spectroscopy. Journal of Physical Chemistry C, 2016, 120, 14317-14329.	3.1	30
43	Entropy analysis of OCT signal for automatic tissue characterization. , 2016, , .		1
44	Green synthesis and characterization of silver nanoparticles using Artemisia absinthium aqueous extract – A comprehensive study. Materials Science and Engineering C, 2016, 58, 359-365.	7.3	126
45	Robust motion tracking based on adaptive speckle decorrelation analysis of OCT signal. Biomedical Optics Express, 2015, 6, 4302.	2.9	22
46	Near-Infrared Fluorescent 4,4'-Difluoro-4,4'-bora-3,4'-diazacene Indacene Probes for One- and Two-Photon Fluorescence Bio-Imaging. European Journal of Organic Chemistry, 2015, 2015, 5563-5571.	2.4	14
47	Stimuli-Responsive Cyclopenta[<i>ef</i>]heptalenes: Synthesis and Optical Properties. European Journal of Organic Chemistry, 2015, 2015, 2271-2276.	2.4	19
48	Steady-State and Femtosecond Transient Absorption Spectroscopy of New Two-Photon Absorbing Fluorene-Containing Quinolizinium Cation Membrane Probes. ACS Applied Materials & Interfaces, 2015, 7, 2833-2846.	8.0	32
49	Improved Synthesis of the Triazacryptand (TAC) and its Application in the Construction of a Fluorescent TAC-BODIPY Conjugate for K^{+} Sensing in Live Cells. European Journal of Organic Chemistry, 2015, 2015, 1189-1192.	2.4	30
50	Chromophoric materials derived from a natural azulene: syntheses, halochromism and one-photon and two-photon microlithography. Journal of Materials Chemistry C, 2015, 3, 8495-8503.	5.5	46
51	Inhibition of <i>Phytophthora parasitica</i> and <i>P. capsici</i> by Silver Nanoparticles Synthesized Using Aqueous Extract of <i>Artemisia absinthium</i> . Phytopathology, 2015, 105, 1183-1190.	2.2	86
52	Carbazole/fluorene based conjugated small molecules: synthesis and comparative studies on the optical, thermal and electrochemical properties. RSC Advances, 2015, 5, 48760-48768.	3.6	19
53	Linear Photophysics, Stimulated Emission, and Ultrafast Spectroscopy of New Two-Photon Absorbing Diketopyrrolopyrrole Derivatives. Journal of Physical Chemistry C, 2015, 119, 8864-8875.	3.1	16
54	Photophysical and Computational Analysis of a Symmetrical Fluorene-Based Janus Dione Derivative. Journal of Physical Chemistry C, 2015, 119, 21053-21059.	3.1	9

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55	Near-IR Two-Photon Fluorescent Sensor for K ⁺ Imaging in Live Cells. ACS Applied Materials & Interfaces, 2015, 7, 17565-17568.	8.0	48
56	RGD-conjugated two-photon absorbing near-IR emitting fluorescent probes for tumor vasculature imaging. Organic and Biomolecular Chemistry, 2015, 13, 10716-10725.	2.8	19
57	Two-photon sensitized visible and near-IR luminescence of lanthanide complexes using a fluorene-based donor-acceptor diketonate. Dalton Transactions, 2014, 43, 16626-16639.	3.3	43
58	Luminescent Fluorene-Based Bis-Pyrazolyl Aniline Ligand for Aluminum Detection. Journal of Fluorescence, 2014, 24, 239-250.	2.5	7
59	Controlling <i>J</i> -aggregate formation for increased short-circuit current and power conversion efficiency with a squaraine donor. Progress in Photovoltaics: Research and Applications, 2014, 22, 488-493.	8.1	31
60	Novel BODIPY-Based Fluorescence Turn-on Sensor for Fe ³⁺ and Its Bioimaging Application in Living Cells. ACS Applied Materials & Interfaces, 2014, 6, 18408-18412.	8.0	156
61	Femtosecond Spectroscopy of Superfluorescent Fluorenyl Benzothiadiazoles with Large Two-Photon and Excited-State Absorption. Journal of Physical Chemistry C, 2014, 118, 13790-13800.	3.1	20
62	Design and Electronic Structure of New Styryl Dye Bases: Steady-State and Time-Resolved Spectroscopic Studies. Journal of Physical Chemistry A, 2014, 118, 4502-4509.	2.5	15
63	Deoxyribonucleoside-Modified Squaraines as Near-IR Viscosity Sensors. Chemistry - A European Journal, 2014, 20, 7249-7253.	3.3	19
64	Controlled Aggregation and Enhanced Two-Photon Absorption of a Water-Soluble Squaraine Dye with a Poly(acrylic acid) Template. Langmuir, 2013, 29, 11005-11012.	3.5	38
65	Bovine Serum Albumin Nanoparticles with Fluorogenic Near-IR-Emitting Squaraine Dyes. ACS Applied Materials & Interfaces, 2013, 5, 8710-8717.	8.0	63
66	Design of a New Optical Material with Broad Spectrum Linear and Two-Photon Absorption and Solvatochromism. Journal of Physical Chemistry C, 2013, 117, 23133-23147.	3.1	48
67	Long-Wavelength, Photostable, Two-Photon Excitable BODIPY Fluorophores Readily Modifiable for Molecular Probes. Journal of Organic Chemistry, 2013, 78, 9153-9160.	3.2	175
68	Superfluorescent Squaraine with Efficient Two-Photon Absorption and High Photostability. ChemPhysChem, 2013, 14, 3532-3542.	2.1	33
69	Design, Synthesis, and Structural and Spectroscopic Studies of Push-Pull Two-Photon Absorbing Chromophores with Acceptor Groups of Varying Strength. Journal of Organic Chemistry, 2013, 78, 1014-1025.	3.2	85
70	Selective Cell Death by Photochemically Induced pH Imbalance in Cancer Cells. Journal of the American Chemical Society, 2013, 135, 2112-2115.	13.7	82
71	A Butterfly-Shaped Pyrene Derivative of Cholesterol and Its Uses as a Fluorescent Probe. Journal of Physical Chemistry B, 2013, 117, 5659-5667.	2.6	39
72	Photophysical Properties and Ultrafast Excited-State Dynamics of a New Two-Photon Absorbing Thiopyranyl Probe. Journal of Physical Chemistry C, 2013, 117, 11941-11952.	3.1	22

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73	Highly Selective Fluorescence Turn-On Sensor for Fluoride Detection. ACS Applied Materials & Interfaces, 2013, 5, 2920-2923.	8.0	146
74	Two-Photon Absorption And Time-Resolved Stimulated Emission Depletion Spectroscopy Of A New Push-Pull Fluorene Derivative. , 2013, , .		0
75	Novel Lysosomal Targeting Two-Photon Fluorescence Probe Based on Fluorene Difluoroboron β -diketonate. , 2013, , .		0
76	Deep Vascular Imaging in Wounds by Two-Photon Fluorescence Microscopy. PLoS ONE, 2013, 8, e67559.	2.5	26
77	New Fluorene-Based Fluorescent Probe with Efficient Two-Photon Absorption. Ukrainian Journal of Physics, 2013, 58, 748-757.	0.2	2
78	PAG-based Photodynamic Therapy in Cancer Cells. , 2013, , .		0
79	Superparamagnetic Nanocomposites Templated with Pyrazole-Containing Diblock Copolymers. Polymers, 2012, 4, 1211-1225.	4.5	7
80	Influence of squaraine aggregation on short-circuit current and device efficiency. , 2012, , .		3
81	Two-Photon Fluorescence Microscopy Imaging of Cellular Oxidative Stress Using Profluorescent Nitroxides. Journal of the American Chemical Society, 2012, 134, 4721-4730.	13.7	124
82	Liquid crystal-directed assembly and phase morphology of a squaraine dye. Supramolecular Chemistry, 2012, 24, 299-311.	1.2	4
83	Structural Identification of a Novel Axially Chiral Binaphthyl Fluorene Based Salen Ligand in Solution Using Electronic Circular Dichroism: A Theoreticalâ€“Experimental Analysis. Journal of Physical Chemistry A, 2012, 116, 2453-2465.	2.5	11
84	Two-Photon Absorption and Time-Resolved Stimulated Emission Depletion Spectroscopy of a New Fluorenyl Derivative. ChemPhysChem, 2012, 13, 3481-3491.	2.1	21
85	Small molecule fluorophore and copolymer RGD peptide conjugates for ex vivo two-photon fluorescence tumor vasculature imaging. Biomaterials, 2012, 33, 8477-8485.	11.4	33
86	Transient Excited-State Absorption and Gain Spectroscopy of a Two-Photon Absorbing Probe with Efficient Superfluorescent Properties. Journal of Physical Chemistry C, 2012, 116, 11261-11271.	3.1	27
87	Two-Photon Absorption Enhancement of Polymer-Templated Porphyrin-Based J-Aggregates. Langmuir, 2012, 28, 1515-1522.	3.5	62
88	Near-Infrared-Emitting Squaraine Dyes with High 2PA Cross-Sections for Multiphoton Fluorescence Imaging. ACS Applied Materials & Interfaces, 2012, 4, 2847-2854.	8.0	87
89	Two-Photon Fluorescent Probes for Bioimaging. European Journal of Organic Chemistry, 2012, 2012, 3199-3217.	2.4	236
90	Integrin-Targeting Block Copolymer Probes for Two-Photon Fluorescence Bioimaging. Biomacromolecules, 2011, 12, 441-449.	5.4	30

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91	Two-Photon Fluorescence Vascular Bioimaging with New Bioconjugate Probes Selective toward the Vascular Endothelial Growth Factor Receptor 2. <i>Bioconjugate Chemistry</i> , 2011, 22, 2060-2071.	3.6	20
92	Folate Receptor-Targeted Aggregation-Enhanced Near-IR Emitting Silica Nanoprobe for One-Photon <i>in Vivo</i> and Two-Photon <i>ex Vivo</i> Fluorescence Bioimaging. <i>Bioconjugate Chemistry</i> , 2011, 22, 1438-1450.	3.6	109
93	Efficient Photochromic Transformation of a New Fluorenyl Diarylethene: One- and Two-Photon Absorption Spectroscopy. <i>ACS Applied Materials & Interfaces</i> , 2011, 3, 3559-3567.	8.0	23
94	A superfluorescent fluorenyl probe with efficient two-photon absorption. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 4303.	2.8	14
95	Photosensitization of carbon nanotubes using dye aggregates. <i>Journal of Physics Condensed Matter</i> , 2011, 23, 202204.	1.8	4
96	Two-Photon Fluorescence Lysosomal Bioimaging with a Micelle-Encapsulated Fluorescent Probe. <i>Journal of Fluorescence</i> , 2011, 21, 1223-1230.	2.5	24
97	Two-Photon STED Spectral Determination for a New π -Shaped Organic Fluorescent Probe with Efficient Two-Photon Absorption. <i>ChemPhysChem</i> , 2011, 12, 2755-2762.	2.1	15
98	Multiphoton angiogenesis and tumor biomarker imaging. , 2011, , .		0
99	Thermotropic behaviour, self-assembly and photophysical properties of a series of squaraines. <i>Supramolecular Chemistry</i> , 2011, 23, 731-742.	1.2	11
100	Folate Receptor-targeted Aggregation-enhanced Emission Silica Nanoprobe for One-photon in vivo and Two-photon ex vivo Fluorescence Bioimaging. , 2011, , .		0
101	Novel Two-Photon Fluorescence Probes for Zinc Ion Sensing. , 2011, , .		0
102	Fluorene-Based Metal-Ion Sensing Probe with High Sensitivity to Zn^{2+} and Efficient Two-Photon Absorption. <i>Journal of Physical Chemistry B</i> , 2010, 114, 9313-9321.	2.6	53
103	Probing the Texture of the Calamitic Liquid Crystalline Dimer of 4-(4-Pentenyl)oxy)benzoic Acid. <i>Materials</i> , 2010, 3, 827-840.	2.9	11
104	Selective Fluorescence Sensing of Zinc and Mercury Ions with Hydrophilic 1,2,3-Triazolyl Fluorene Probes. <i>Chemistry of Materials</i> , 2010, 22, 3472-3481.	6.7	75
105	A Series of Fluorene-Based Two-Photon Absorbing Molecules: Synthesis, Linear and Nonlinear Characterization, and Bioimaging. <i>Journal of Organic Chemistry</i> , 2010, 75, 3975-3982.	3.2	68
106	New Two-Photon-Absorbing Probe with Efficient Superfluorescent Properties. <i>Journal of Physical Chemistry B</i> , 2010, 114, 14087-14095.	2.6	22
107	High-speed multiphoton absorption polymerization: fabrication of microfluidic channels with arbitrary cross-sections and high aspect ratios. <i>Lab on A Chip</i> , 2010, 10, 1057.	6.0	121
108	Novel Hydrophilic Bis(1,2,3-triazolyl)fluorenyl Probe for In vitro Zinc Ion Sensing. <i>ACS Applied Materials & Interfaces</i> , 2010, 2, 2978-2981.	8.0	23

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109	Two-Photon Excited Fluorescence of a Conjugated Polyelectrolyte and Its Application in Cell Imaging. ACS Applied Materials & Interfaces, 2010, 2, 2744-2748.	8.0	46
110	Folate receptor targeting silica nanoparticle probe for two-photon fluorescence bioimaging. Biomedical Optics Express, 2010, 1, 453.	2.9	34
111	Thermally controlled preferential molecular aggregation state in a thiocarbocyanine dye. Journal of Chemical Physics, 2010, 133, 134508.	3.0	20
112	High-Fidelity Hydrophilic Probe for Two-Photon Fluorescence Lysosomal Imaging. Journal of the American Chemical Society, 2010, 132, 12237-12239.	13.7	162
113	Donor-Acceptor Donor Fluorene Derivatives for Two-Photon Fluorescence Lysosomal Imaging. Journal of Organic Chemistry, 2010, 75, 3965-3974.	3.2	90
114	Photosensitive Polymeric Materials for Two-Photon 3D WORM Optical Data Storage and Microfabrication. ACS Symposium Series, 2010, , 111-128.	0.5	1
115	Linear and nonlinear photophysics and bioimaging of an integrin-targeting water-soluble fluorenyl probe. Organic and Biomolecular Chemistry, 2010, 8, 2600.	2.8	26
116	VEGFR-2 Selective Two-Photon Absorbing (2PA) Bioconjugate. , 2010, , .		0
117	Fluorescence Bioimaging with Integrin-targeting Block Copolymer Probes. , 2010, , .		0
118	Predictions of Two Photon Absorption Profiles Using Time-Dependent Density Functional Theory Combined with SOS and CEO Formalisms. Lecture Notes in Computer Science, 2009, , 179-188.	1.3	1
119	Synthesis, Characterization and Texture Observations of Calamitic Liquid Crystalline Compounds. International Journal of Molecular Sciences, 2009, 10, 4772-4788.	4.1	10
120	Excited State Intramolecular Proton Transfer and Photophysics of a New Fluorenyl Two-Photon Fluorescent Probe. ChemPhysChem, 2009, 10, 2073-2081.	2.1	40
121	Theoretical study of photochromic compounds, part 2: Thermal mechanism for byproduct formation and fatigue resistance of diarylethenes used as data storage materials. International Journal of Quantum Chemistry, 2009, 109, 3711-3722.	2.0	66
122	Biomolecule Labeling and Imaging with a New Fluorenyl Two-Photon Fluorescent Probe. Bioconjugate Chemistry, 2009, 20, 1992-2000.	3.6	38
123	Electronic Properties of a New Two-Photon Absorbing Fluorene Derivative: The Role of Hartree-Fock Exchange in the Density Functional Theory Design of Improved Nonlinear Chromophores. Journal of Physical Chemistry C, 2009, 113, 20719-20724.	3.1	49
124	Block Copolymer-Mediated Formation of Superparamagnetic Nanocomposites. Chemistry of Materials, 2009, 21, 5644-5653.	6.7	20
125	Two-Photon Absorption Properties of New Fluorene-Based Singlet Oxygen Photosensitizers. Journal of Physical Chemistry C, 2009, 113, 4706-4711.	3.1	45
126	DFT-Based Methods in the Design of Two-Photon Operated Molecular Switches. Journal of Physical Chemistry A, 2009, 113, 7080-7089.	2.5	49

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127	Broadband Z-scan characterization using a high-spectral-irradiance, high-quality supercontinuum: erratum. Journal of the Optical Society of America B: Optical Physics, 2009, 26, 1663.	2.1	5
128	Femtosecond two-photon absorption measurements based on the accumulative photo-thermal effect and the Rayleigh interferometer. Optics Express, 2009, 17, 19617.	3.4	20
129	Photosensitive Polymeric Materials for Two-Photon 3D WORM Optical Data Storage Systems. ACS Applied Materials & Interfaces, 2009, 1, 2219-2229.	8.0	72
130	Linear and nonlinear optical characterizations of a monomeric symmetric squaraine-based dye in solution. Journal of Chemical Physics, 2009, 130, 214504.	3.0	30
131	One- and Two-Photon Stimulated Emission Depletion of a Sulfonyl-Containing Fluorene Derivative. Journal of Physical Chemistry B, 2009, 113, 7101-7106.	2.6	18
132	Two-photon absorption and lasing properties of new fluorene derivatives. Journal of Materials Chemistry, 2009, 19, 7498.	6.7	39
133	Characterization of novel sulfonium photoacid generators and their microwave-assisted synthesis. Chemical Communications, 2009, , 827.	4.1	63
134	N-alkylated aminopyrazines for use as hydrophilic optical agents. , 2009, , .		1
135	Amine-Reactive Fluorene Probes: Synthesis, Optical Characterization, Bioconjugation, and Two-Photon Fluorescence Imaging. Bioconjugate Chemistry, 2008, 19, 2559-2567.	3.6	48
136	Broadband Z-scan characterization using a high-spectral-irradiance, high-quality supercontinuum. Journal of the Optical Society of America B: Optical Physics, 2008, 25, 159.	2.1	51
137	Two-photon Absorbing Photonic Materials: From Fundamentals to Applications. Advances in Polymer Science, 2008, , 97-156.	0.8	62
138	Photophysical Characterization, Two-Photon Absorption and Optical Power Limiting of Two Fluorenylperylene Diimides. Journal of Physical Chemistry C, 2008, 112, 5618-5622.	3.1	89
139	Photophysical Characterization of a Highly Conjugated Bipyridyl-Based Dye Synthesized by a Unique Two-Step Approach. Journal of Physical Chemistry B, 2008, 112, 12185-12190.	2.6	5
140	Fluorene-based Two-Photon Fluorescent Probes for Specific Biomolecule Labeling and Oligopeptide Conjugation. , 2008, , .		0
141	A New Water-Soluble Near-Neutral Ratiometric Fluorescent pH Indicator. , 2008, , .		0
142	Effect of the concentration of organic dyes on their surface plasmon enhanced two-photon absorption cross section using activated Au nanoparticles. Journal of Applied Physics, 2007, 101, 086112.	2.5	22
143	A New Water-Soluble Near-Neutral Ratiometric Fluorescent pH Indicator. Organic Letters, 2007, 9, 5645-5648.	4.6	114
144	Two-Photon Absorption Cross Section Determination for Fluorene Derivatives:Â Analysis of the Methodology and Elucidation of the Origin of the Absorption Processes. Journal of Physical Chemistry B, 2007, 111, 12723-12729.	2.6	64

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145	Photochromic Polymer Composites for Two-Photon 3D Optical Data Storage. Chemistry of Materials, 2007, 19, 5165-5173.	6.7	175
146	One- and Two-Photon Singlet Oxygen Generation with New Fluorene-Based Photosensitizers. ChemPhysChem, 2007, 8, 399-404.	2.1	28
147	Solvent effect on the steady-state fluorescence anisotropy of two-photon absorbing fluorene derivatives. Journal of Luminescence, 2007, 126, 14-20.	3.1	26
148	Norbornene-Functionalized Diblock Copolymers via Ring-Opening Metathesis Polymerization for Magnetic Nanoparticle Stabilization. Chemistry of Materials, 2006, 18, 5929-5936.	6.7	26
149	Synthesis of Two-Photon Absorbing Unsymmetrical Fluorenyl-Based Chromophores. Chemistry of Materials, 2006, 18, 4972-4980.	6.7	42
150	Nonlinear absorption and refraction process of fluorene-based molecules via picosecond and femtosecond measurements. , 2006, , .		0
151	Three-photon absorption of a new series of halogenated fluorene derivatives. Chemical Physics Letters, 2006, 430, 133-138.	2.6	25
152	Two-photon absorption of a supramolecular pseudoisocyanine J-aggregate assembly. Chemical Physics, 2006, 320, 118-124.	1.9	55
153	Two-photon anisotropy: Analytical description and molecular modeling for symmetrical and asymmetrical organic dyes. Chemical Physics, 2006, 321, 257-268.	1.9	40
154	One- and two-photon photochemical stability of linear and branched fluorene derivatives. Journal of Photochemistry and Photobiology A: Chemistry, 2006, 184, 105-112.	3.9	61
155	One- and two-photon photochromism of 3,4-bis-(2,4,5-trimethyl-thiophen-3-yl)furan-2,5-dione. Journal of Photochemistry and Photobiology A: Chemistry, 2006, 184, 177-183.	3.9	25
156	Singlet Oxygen Quantum Yield Determination for a Fluorene-Based Two-Photon Photosensitizer. Journal of Fluorescence, 2006, 16, 111-117.	2.5	22
157	Synthesis and Characterization of New Fluorene-Based Singlet Oxygen Sensitizers. Journal of Fluorescence, 2006, 16, 105-110.	2.5	36
158	Two-Photon Photochromism of a Diarylethene Enhanced by Förster Resonance Energy Transfer from Two-Photon Absorbing Fluorenes. ChemPhysChem, 2006, 7, 2514-2519.	2.1	26
159	Two-Photon 3D Optical Data Storage via Fluorescence Modulation of an Efficient Fluorene Dye by a Photochromic Diarylethene. Advanced Materials, 2006, 18, 2910-2914.	21.0	216
160	A Water-Soluble Diaminostilbene Derivative as a Two-Photon Fluorescent Probe. Synlett, 2006, 2006, 1863-1866.	1.8	1
161	Solvent effects on the three-photon absorption cross-section of a highly conjugated fluorene derivative. Journal of Chemical Physics, 2006, 125, 161102.	3.0	11
162	Two-photon FRET-based 3D optical data storage in a composite polymer containing a photochromic diarylethene and a fluorene dye. , 2006, , .		1

#	ARTICLE	IF	CITATIONS
163	The impact of the π -electron conjugation length on the three-photon absorption cross section of fluorene derivatives. <i>Journal of Chemical Physics</i> , 2006, 124, 194707.	3.0	19
164	The impact of the π -conjugation length on the three-photon absorption cross-section of fluorene derivatives. , 2006, , .		0
165	Fluorene Derivative Doped Organic Modified Silica Nanoparticles as Biological Imaging Contrast Agents. , 2006, , .		0
166	Cellular Imaging with High-Performance Two-Photon Absorbing Fluorescent Contrast Agents. , 2006, , .		0
167	CAD-integrated system for automated multi-photon three-dimensional micro- and nano-fabrication. , 2005, 5720, 196.		2
168	Three-photon absorption enhancement in symmetrical charge transfer pull-pull fluorene derivatives. <i>Chemical Physics Letters</i> , 2005, 406, 462-466.	2.6	27
169	One- and Two-Photon Fluorescence Anisotropy of Selected Fluorene Derivatives. <i>Journal of Fluorescence</i> , 2005, 15, 3-11.	2.5	24
170	Synthesis and characterization of novel rigid two-photon absorbing polymers. <i>Polymers for Advanced Technologies</i> , 2005, 16, 150-155.	3.2	26
171	Mega three-photon absorption cross-section enhancement in pseudoisocyanine J-aggregates. <i>Journal of Chemical Physics</i> , 2005, 123, 231104.	3.0	8
172	Excited-state absorption and anisotropy properties of two-photon absorbing fluorene derivatives. <i>Applied Optics</i> , 2005, 44, 7232.	2.1	10
173	Synthesis of Two-Photon Absorbing Unsymmetrical Branched Chromophores through Direct Tris(bromomethylation) of Fluorene. <i>Journal of Organic Chemistry</i> , 2005, 70, 5126-5132.	3.2	89
174	Fluorene-based fluorescent probes with high two-photon action cross-sections for biological multiphoton imaging applications. <i>Journal of Biomedical Optics</i> , 2005, 10, 051402.	2.6	48
175	Nonlinear absorption and refraction measurements of Fluorene-based molecules via Picosecond Z-scans. , 2005, , .		0
176	Fluorescent dyes for multiphoton bio-imaging applications. , 2004, , .		0
177	New highly efficient two-photon fluorescent dyes. , 2004, , .		0
178	Modulation of Optical Properties of New Photosensitive Polymers: 3-D Optical Data Storage Media. <i>ACS Symposium Series</i> , 2004, , 122-134.	0.5	1
179	Photostability of a series of two-photon absorbing fluorene derivatives. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2004, 162, 489-496.	3.9	32
180	Two-photon absorption cross-sections of common photoinitiators. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2004, 162, 497-502.	3.9	211

#	ARTICLE	IF	CITATIONS
181	Photochemical properties of (7-benzothiazol-2-yl-9,9-didecylfluoren-2-yl)diphenylamine under one- and two-photon excitation. Journal of Photochemistry and Photobiology A: Chemistry, 2004, 162, 569-574.	3.9	36
182	Three-photon absorption enhancement in a symmetrical charge transfer fluorene derivative. Chemical Physics Letters, 2004, 391, 22-26.	2.6	63
183	One- and two-photon photostability of 9,9-didecyl-2,7-bis(N,N-diphenylamino)fluorene. Photochemical and Photobiological Sciences, 2004, 3, 138.	2.9	35
184	Linear and Two-Photon Photophysical Properties of a Series of Symmetrical Diphenylaminofluorenes. Chemistry of Materials, 2004, 16, 2267-2273.	6.7	109
185	Synthesis, Characterization, and Optical Properties of New Two-Photon-Absorbing Fluorene Derivatives. Chemistry of Materials, 2004, 16, 4634-4641.	6.7	138
186	Resonant enhancement of two-photon absorption in substituted fluorene molecules. Journal of Chemical Physics, 2004, 121, 3152-3160.	3.0	114
187	Three- and four-photon absorption of a multiphoton absorbing fluorescent probe. Applied Optics, 2004, 43, 5394.	2.1	55
188	Nonlinear transmission and excited-state absorption in fluorene derivatives. Applied Optics, 2004, 43, 6339.	2.1	7
189	Photophysical and photochemical properties of 5,7-dimethoxycoumarin under one- and two-photon excitation. Journal of Physical Organic Chemistry, 2003, 16, 69-78.	1.9	39
190	A new blue light-emitting oligofluorene glass: synthesis, characterization and photophysical properties. Journal of Physical Organic Chemistry, 2003, 16, 194-201.	1.9	20
191	Two-Photon Photoinitiated Polymerization. ACS Symposium Series, 2003, , 464-481.	0.5	11
192	Nonlinear optical spectroscopic characterization of a series of fluorene derivatives. , 2003, , .		1
193	Photodegradation of selected π -conjugated electro-optic chromophores. Journal of Applied Physics, 2003, 94, 756-763.	2.5	44
194	Reactive two-photon fluorescent probes for biological imaging. , 2003, 5211, 91.		0
195	Photosensitive polymeric media for two-photon-based optical data storage. , 2003, 4797, 275.		1
196	Mechanistic Aspects of Maleimide-Donor Photocopolymerizations. ACS Symposium Series, 2003, , 76-89.	0.5	1
197	Two-Photon 3-D High Density Optical Data Storage. , 2003, , .		0
198	Two-Photon Photochromism of an Organic Material for Holographic Recording. Chemistry of Materials, 2002, 14, 3663-3667.	6.7	104

#	ARTICLE	IF	CITATIONS
199	Three-dimensional two-photon imaging in polymeric materials. , 2002, 4459, 281.		2
200	A New Photosensitive Polymeric Material for WORM Optical Data Storage Using Multichannel Two-Photon Fluorescence Readout. Chemistry of Materials, 2002, 14, 3656-3662.	6.7	166
201	Novel Two-photon Absorbing Polymers. , 2002, , 135-147.		1
202	Photophysical characterization of 2,9-bis(7-benzothiazole-9,9- α^2 -didecylfluoren-2-yl)perylene diimide: a new standard for steady-state fluorescence anisotropy. Journal of Photochemistry and Photobiology A: Chemistry, 2002, 151, 7-11.	3.9	25
203	Title is missing!. Journal of Fluorescence, 2002, 12, 449-454.	2.5	33
204	Chemical structure/nonlinear optical property relations for fluorenyl ring system derivatives. , 2002, , .		0
205	Thermal Reactions of anti- and syn-Dispiro[5.0.5.2]tetradeca-1,8-dienes: A Stereomutation and Fragmentation to 3-Methylenecyclohexenes. Entropy-Dictated Product Ratios from Diradical Intermediates?. Journal of the American Chemical Society, 2001, 123, 5532-5541.	13.7	35
206	<title>Two-photon photochromism of a photorefractive organic material for holographic recording</title>. , 2000, 4104, 15.		0
207	Multiphoton-absorbing organic materials for microfabrication, emerging optical applications and non-destructive three-dimensional imaging. Journal of Physical Organic Chemistry, 2000, 13, 837-849.	1.9	249
208	Photostability enhancement of an azobenzene photonic polymer. Applied Physics Letters, 2000, 77, 2083-2085.	3.3	20
209	Near-IR Two-Photon Photoinitiated Polymerization Using a Fluorone/Amine Initiating System. Journal of the American Chemical Society, 2000, 122, 1217-1218.	13.7	191
210	Synthesis and Characterization of a Perylene-Based Luminescent Organic Glass. Chemistry of Materials, 2000, 12, 1184-1186.	6.7	36
211	Synthesis of New Two-Photon Absorbing Fluorene Derivatives via Cu-Mediated Ullmann Condensations. Journal of Organic Chemistry, 2000, 65, 4475-4481.	3.2	196
212	<title>Nonlinear spectrometer for characterization of organic and polymeric molecules</title>. , 1999, , .		6
213	New Two-Photon Absorbing Fluorene Derivatives: A Synthesis and Nonlinear Optical Characterization. Organic Letters, 1999, 1, 1575-1578.	4.6	212
214	Synthesis of Novel Polysiloxanes Containing Charge Transporting and Second-Order Nonlinear Optical Functionalities with Atom Economical Constructs. Macromolecules, 1998, 31, 2918-2924.	4.8	36
215	Photoinitiated Cationic Cross-Linking of 4-Methylene-2-phenyl-1,3-dioxolane with 2,2- α^{α} -(1,4-Phenylene)bis(4-methylene-1,3-dioxolane). Macromolecules, 1997, 30, 6985-6988.	4.8	11
216	Photoinitiated cationic ring-opening polymerization of a cyclosiloxane. Polymer Bulletin, 1997, 38, 165-168.	3.3	7

#	ARTICLE	IF	CITATIONS
217	New NLO Stilbene Derivatives Bearing Phosphonate Ester Electron-Withdrawing Groups. Tetrahedron Letters, 1997, 38, 6131-6134.	1.4	36
218	Novel photoinitiated cationic copolymerizations of 4-methylene-2-phenyl-1,3-dioxolane. Journal of Polymer Science Part A, 1997, 35, 2207-2219.	2.3	10
219	Modified horner-Emmons reaction of polymeric phosphonates: Versatile synthesis of pendant stilbene-containing polymers. Journal of Polymer Science Part A, 1995, 33, 1235-1242.	2.3	13
220	Facile Enantioselective Synthesis of Two New Bicyclic Chiral Templates. Synthetic Communications, 1995, 25, 461-466.	2.1	10
221	Direct determination of enantiomeric excess of carbocyclic esters by chiral capillary gas chromatography. Journal of Chromatography A, 1993, 648, 497-500.	3.7	1
222	Synthesis of novel difunctional monomers with photochromic potential. Journal of Polymer Science Part A, 1993, 31, 3493-3497.	2.3	1
223	Beyond butadiene: activation parameters for thermal stereomutations and cycloreversion of cyclobutanes from a photochemical cyclodimerization of the rigid, all-trans triene 4a-methyl-2,3,4,4a,5,6-hexahydro-2-methylenenaphthalene. Journal of the American Chemical Society, 1993, 115, 5414-5421.	13.7	22
224	The Halogenolysis of Organoboranes. Synthesis, 1993, 1993, 973-976.	2.3	5
225	Matrix ESR evidence for the formation of the bicyclo[3.2.0]hepta-2,6-diene radical cation both from ionized quadricyclane and as an intermediate in the radical cation photoisomerization of norbornadiene to cycloheptatriene. Journal of the American Chemical Society, 1991, 113, 9853-9855.	13.7	19
226	Hydrosilylation of α,β -unsaturated esters: Application for the synthesis of functional polysiloxane graft copolymers and macromonomers. Journal of Polymer Science Part A, 1991, 29, 1073-1076.	2.3	13
227	Dynamic isotope dilution kinetic study of the thermal conversions of bicyclo[3.2.0]hept-2-ene to bicyclo[2.2.1]hept-2-ene and to cyclopentadiene and ethene. Journal of Physical Organic Chemistry, 1989, 2, 455-466.	1.9	14
228	Stereochemistry of the thermal isomerization of bicyclo[3.2.0]hept-2-ene to bicyclo[2.2.1]hept-2-ene. Journal of the American Chemical Society, 1988, 110, 296-297.	13.7	36
229	Specifically deuteriated bicyclo[3.2.0]hepta-2,6-dienes. Journal of Organic Chemistry, 1987, 52, 4772-4776.	3.2	12
230	Multiphoton-absorbing organic materials for microfabrication, emerging optical applications and non-destructive three-dimensional imaging. , 0, .		1