Michael R Detty

List of Publications by Year
in descending order

197 papers	8,294 citations	44042 48 h-index	66879 78 g-index
198 all docs	198 docs citations	198 times ranked	6937 citing authors

#	Article	IF	Citations
1	Design and evaluation of Raman reporters for the Raman-silent region. Nanotheranostics, 2022, 6, 1-9.	2.7	8
2	Photodepletion with 2-Se-Cl prevents lethal graft-versus-host disease while preserving antitumor immunity. PLoS ONE, 2020, 15, e0234778.	1.1	1
3	Excited State Torsional Processes in Chalcogenopyrylium Monomethine Dyes. Journal of Physical Chemistry A, 2019, 123, 8807-8822.	1.1	7
4	Importance of Singlet Oxygen in Photocatalytic Reactions of 2-Aryl-1,2,3,4-tetrahydroisoquinolines Using Chalcogenorosamine Photocatalysts. Organometallics, 2019, 38, 2431-2442.	1.1	23
5	Correlative assays of barnacle cyprid behaviour for the laboratory evaluation of antifouling coatings: a study of surface energy components. Biofouling, 2019, 35, 159-172.	0.8	6
6	Through tissue imaging of a live breast cancer tumour model using handheld surface enhanced spatially offset resonance Raman spectroscopy (SESORRS). Chemical Science, 2018, 9, 3788-3792.	3.7	45
7	Towards establishing a minimal nanoparticle concentration for applications involving surface enhanced spatially offset resonance Raman spectroscopy (SESORRS) in vivo. Analyst, The, 2018, 143, 5358-5363.	1.7	10
8	Non-Condon Effects in the Resonance Hyper-Raman Scattering of Chalcogen-Substituted Rhodamine Derivatives. Journal of Physical Chemistry C, 2018, 122, 25051-25058.	1.5	2
9	Surface enhanced resonance Raman spectroscopy (SERRS) for probing through plastic and tissue barriers using a handheld spectrometer. Analyst, The, 2018, 143, 5965-5973.	1.7	23
10	Multiplex imaging of live breast cancer tumour models through tissue using handheld surface enhanced spatially offset resonance Raman spectroscopy (SESORRS). Chemical Communications, 2018, 54, 8530-8533.	2.2	26
11	Intermolecular Charge Separation in Aggregated Rhodamine Dyes Used in Solar Hydrogen Production. Journal of Physical Chemistry C, 2018, 122, 16519-16531.	1.5	6
12	Photocatalytic Aerobic Thiol Oxidation with a Self-Sensitized Tellurorhodamine Chromophore. Organometallics, 2017, 36, 2588-2596.	1.1	30
13	Luminescence spectroscopy of chalcogen substituted rhodamine cations in vacuo. Photochemical and Photobiological Sciences, 2017, 16, 779-784.	1.6	9
14	Sensitive SERS nanotags for use with a hand-held 1064â€‰nm Raman spectrometer. Royal Society Open Science, 2017, 4, 170422.	1.1	13
15	Multivariate analysis of attachment of biofouling organisms in response to material surface characteristics. Biointerphases, 2017, 12, 051003.	0.6	13
16	Targeting T Cell Bioenergetics by Modulating P-Glycoprotein Improves Selectivity of Phototherapy. Biology of Blood and Marrow Transplantation, 2016, 22, S89-S90.	2.0	0
17	Longer-Wavelength-Absorbing, Extended Chalcogenorhodamine Dyes. Organometallics, 2016, 35, 1944-1955.	1.1	18
18	A comparative study of the photophysics of phenyl, thienyl, and chalcogen substituted rhodamine dyes. Photochemical and Photobiological Sciences, 2016, 15, 1417-1432.	1.6	17

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19	Extended rhodamine photosensitizers for photodynamic therapy of cancer cells. Bioorganic and Medicinal Chemistry, 2016, 24, 3908-3917.	1.4	18
20	Selective photodepletion of malignant T cells in extracorporeal photopheresis with selenorhodamine photosensitizers. Bioorganic and Medicinal Chemistry, 2016, 24, 3918-3931.	1.4	7
21	Core-Modified Porphyrins as Photosensitizers in Photodynamic Therapy. , 2016, , 151-172.		0
22	The performance of hybrid titania/silica-derived xerogels as active antifouling/fouling-release surfaces against the marine alga Ulva linza: in situ generation of hypohalous acids. Biofouling, 2016, 32, 883-896.	0.8	8
23	Targeting T Cell Bioenergetics by Modulating P-Glycoprotein Selectively Depletes Alloreactive T Cells To Prevent Graft-versus-Host Disease. Journal of Immunology, 2016, 197, 1631-1641.	0.4	1
24	Hybrid Solâ€“Gel-Derived Films That Spontaneously Form Complex Surface Topographies. Langmuir, 2016, 32, 10113-10119.	1.6	2
25	Sensitive SERS nanotags for use with 1550 nm (retina-safe) laser excitation. Analyst, The, 2016, 141, 5062-5065.	1.7	19
26	Selenorhodamine Dye-Sensitized Solar Cells: Influence of Structure and Surface-Anchoring Mode on Aggregation, Persistence, and Photoelectrochemical Performance. Langmuir, 2016, 32, 1521-1532.	1.6	37
27	Xerogel Coatings Produced by the Solâ€“Gel Process as Antiâ€Fouling, Foulingâ€Release Surfaces: From Lab Bench to Commercial Reality. ChemNanoMat, 2015, 1, 148-154.	1.5	18
28	Xerogel-Sequestered Silanated Organochalcogenide Catalysts for Bromination with Hydrogen Peroxide and Sodium Bromide. Molecules, 2015, 20, 9616-9639.	1.7	20
29	Extreme red shifted SERS nanotags. Chemical Science, 2015, 6, 2302-2306.	3.7	47
30	Functionalisation of hollow gold nanospheres for use as stable, red-shifted SERS nanotags. Nanoscale, 2015, 7, 6075-6082.	2.8	23
31	Selenorhodamine photosensitizers with the Texas-red core for photodynamic therapy of cancer cells. Bioorganic and Medicinal Chemistry, 2015, 23, 4501-4507.	1.4	19
32	Rational design of a chalcogenopyrylium-based surface-enhanced resonance Raman scattering nanoprobe with attomolar sensitivity. Nature Communications, 2015, 6, 6570.	5.8	110
33	Probing Nanoscale Chemical Segregation and Surface Properties of Antifouling Hybrid Xerogel Films. Langmuir, 2015, 31, 3510-3517.	1.6	8
34	P-Glycoprotein Modulation Facilitates the Selective Inhibition of Oxidative Phosphorylation in Alloreactive T Cells to Prevent Graft-Versus-Host Disease after Hematopoietic Stem Cell Transplant. Blood, 2015, 126, 1879-1879.	0.6	0
35	An ebselen like catalyst with enhanced GPx activity via a selenol intermediate. Organic and Biomolecular Chemistry, 2014, 12, 1215-1219.	1.5	58
36	Environmentally Benign Solâ€“Gel Antifouling and Foul-Releasing Coatings. Accounts of Chemical Research, 2014, 47, 678-687.	7.6	135

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37	Selenorhodamine Photosensitizers for Photodynamic Therapy of P-Glycoprotein-Expressing Cancer Cells. Journal of Medicinal Chemistry, 2014, 57, 8622-8634.	2.9	53
38	Synthesis and Properties of Heavy Chalcogen Analogues of the Texas Reds and Related Rhodamines. Organometallics, 2014, 33, 2628-2640.	1.1	52
39	Rate Accelerations of Bromination Reactions with NaBr and H2O2 via the Addition of Catalytic Quantities of Diaryl Ditellurides. Organometallics, 2014, 33, 5571-5581.	1.1	33
40	From Seconds to Femtoseconds: Solar Hydrogen Production and Transient Absorption of Chalcogenorhodamine Dyes. Journal of the American Chemical Society, 2014, 136, 7740-7750.	6.6	38
41	Synthesis and Photoelectrochemical Performance of Chalcogenopyrylium Monomethine Dyes Bearing Phosphonate/Phosphonic Acid Substituents. Journal of Organic Chemistry, 2013, 78, 8885-8891.	1.7	7
42	Effects of surface-anchoring mode and aggregation state on electron injection from chalcogenorhodamine dyes to titanium dioxide. Journal of Photochemistry and Photobiology A: Chemistry, 2013, 264, 18-25.	2.0	16
43	Organotellurium Fluorescence Probes for Redox Reactions: 9-Aryl-3,6-diaminotelluroxanthylium Dyes and Their Telluroxides. Organometallics, 2013, 32, 4321-4333.	1.1	38
44	The performance of aminoalkyl/fluorocarbon/hydrocarbon-modified xerogel coatings against the marine alga Ectocarpus crouaniorum: relative roles of surface energy and charge. Biofouling, 2013, 29, 171-184.	0.8	12
45	Chalcogenopyrylium Dyes as Differential Modulators of Organic Anion Transport by Multidrug Resistance Protein 1 (MRP1), MRP2, and MRP4. Drug Metabolism and Disposition, 2013, 41, 1231-1239.	1.7	16
46	The ATPase Activity of the P-glycoprotein Drug Pump Is Highly Activated When the N-terminal and Central Regions of the Nucleotide-binding Domains Are Linked Closely Together. Journal of Biological Chemistry, 2012, 287, 26806-26816.	1.6	54
47	Spontaneous multiscale phase separation within fluorinated xerogel coatings for fouling-release surfaces. Biofouling, 2012, 28, 143-157.	0.8	19
48	Isoselenazolones as Catalysts for the Activation of Bromine: Bromolactonization of Alkenoic Acids and Oxidation of Alcohols. Journal of Organic Chemistry, 2012, 77, 9541-9552.	1.7	83
49	A comparison of the antifouling/foul-release characteristics of non-biocidal xerogel and commercial coatings toward micro- and macrofouling organisms. Biofouling, 2012, 28, 511-523.	0.8	48
50	Thiorhodamines containing amide and thioamide functionality as inhibitors of the ATP-binding cassette drug transporter P-glycoprotein (ABCB1). Bioorganic and Medicinal Chemistry, 2012, 20, 4290-4302.	1.4	9
51	Reflective micro-concentrator arrays from holographic photopolymerization: design, fabrication and characterization. Journal of Materials Chemistry, 2012, 22, 25161.	6.7	4
52	GPx-Like Activity of Selenides and Selenoxides: Experimental Evidence for the Involvement of Hydroxy Perhydroxy Selenane as the Active Species. Journal of the American Chemical Society, 2012, 134, 138-141.	6.6	156
53	Imidazolium-containing diselenides for catalytic oxidations with hydrogen peroxide and sodium bromide in aqueous solutions. Tetrahedron, 2012, 68, 10476-10481.	1.0	48
54	Influence of Surface-Attachment Functionality on the Aggregation, Persistence, and Electron-Transfer Reactivity of Chalcogenorhodamine Dyes on TiO₂. Langmuir, 2012, 28, 7071-7082.	1.6	54

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55	Hybrid Oxygen-Responsive Reflective Bragg Grating Platforms. Analytical Chemistry, 2012, 84, 1402-1407.	3.2	7
56	Chalcogenopyrylium Compounds as Modulators of the ATP-Binding Cassette Transporters P-Glycoprotein (P-gp/ABCB1) and Multidrug Resistance Protein 1 (MRP1/ABCC1). Journal of Medicinal Chemistry, 2012, 55, 4683-4699.	2.9	39
57	Direct 1270â€ƒnm Irradiation as an Alternative to Photosensitized Generation of Singlet Oxygen to Induce Cell Death. Photochemistry and Photobiology, 2012, 88, 2-4.	1.3	10
58	Aggregation-Induced Increase of the Quantum Yield of Electron Injection from Chalcogenorhodamine Dyes to TiO₂. Journal of Physical Chemistry C, 2011, 115, 6010-6018.	1.5	61
59	The control of marine biofouling on xerogel surfaces with nanometer-scale topography. Biofouling, 2011, 27, 137-149.	0.8	45
60	Barnacle settlement and the adhesion of protein and diatom microfouling to xerogel films with varying surface energy and water wettability. Biofouling, 2010, 26, 657-666.	0.8	97
61	Novel Rhodamine Dyes via Suzuki Coupling of Xanthone Triflates with Arylboroxins. Synlett, 2010, 2010, 89-92.	1.0	5
62	Reductive Side of Water Splitting in Artificial Photosynthesis: New Homogeneous Photosystems of Great Activity and Mechanistic Insight. Journal of the American Chemical Society, 2010, 132, 15480-15483.	6.6	302
63	Novel 21,23-Ditelluraporphyrins and the First 26,28-Ditellurasapphyrin and 30,33-Ditellurarubyrin. Organometallics, 2010, 29, 3431-3441.	1.1	30
64	Ecofriendly Protection from Biofouling of the Monitoring System at Pantelleria's Cala Gadir Underwater Archaeological Site, Sicily. International Journal of Nautical Archaeology, 2009, 38, 417-421.	0.1	15
65	The role of surface energy and water wettability in aminoalkyl/fluorocarbon/hydrocarbon-modified xerogel surfaces in the control of marine biofouling. Biofouling, 2009, 26, 235-246.	0.8	61
66	A New Reaction for Organoselenium Compounds: Alkyl Transfer from Diorganoselenium(IV) Dibromides to Alkenoic Acids To Give Î³- and Î´-Lactones. Organometallics, 2009, 28, 3426-3436.	1.1	28
67	Rhodamine Inhibitors of P-Glycoprotein: An Amide/Thioamide â€œSwitchâ€• for ATPase Activity. Journal of Medicinal Chemistry, 2009, 52, 3328-3341.	2.9	58
68	Antifouling character of â€˜activeâ€™ hybrid xerogel coatings with sequestered catalysts for the activation of hydrogen peroxide. Biofouling, 2009, 25, 21-33.	0.8	49
69	Core-modified porphyrins. Part 6: Effects of lipophilicity and core structures on physicochemical and biological properties in vitro. Bioorganic and Medicinal Chemistry, 2008, 16, 3171-3183.	1.4	27
70	Chalcogenopyrylium dyes as inhibitors/modulators of P-glycoprotein in multidrug-resistant cells. Bioorganic and Medicinal Chemistry, 2008, 16, 9745-9756.	1.4	16
71	Substituent control of DNA binding modes in a series of chalcogenoxanthylium photosensitizers as determined by isothermal titration calorimetry and topoisomerase I DNA unwinding assay. Bioorganic and Medicinal Chemistry, 2008, 16, 10221-10227.	1.4	16
72	Optimizing the Photocurrent Efficiency of Dye-Sensitized Solar Cells through the Controlled Aggregation of Chalcogenoxanthylium Dyes on Nanocrystalline Titania Films. Journal of Physical Chemistry C, 2008, 112, 13057-13061.	1.5	129

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73	A Xerogel-Sequestered Selenoxide Catalyst for Brominations with Hydrogen Peroxide and Sodium Bromide in an Aqueous Environment. Journal of Organic Chemistry, 2008, 73, 6849-6852.	1.7	54
74	Dithiaporphyrin Derivatives as Photosensitizers in Membranes and Cells. Journal of Physical Chemistry B, 2008, 112, 3268-3276.	1.2	28
75	Synthesis, spectral data, and crystal structure of two novel substitution patterns in dithiaporphyrins. Journal of Porphyrins and Phthalocyanines, 2007, 11, 1-8.	0.4	5
76	Tellurium Analogues of Rosamine and Rhodamine Dyes:â€‰ Synthesis, Structure, 125Te NMR, and Heteroatom Contributions to Excitation Energies. Organometallics, 2007, 26, 6248-6257.	1.1	76
77	â€œSwitched-Onâ€•Flexible Chalcogenopyrylium Photosensitizers. Changes in Photophysical Properties upon Binding to DNA. Journal of Physical Chemistry B, 2007, 111, 9686-9692.	1.2	20
78	A Microwave-Assisted Synthesis of Julolidine-9-carboxamide Derivatives and Their Conversion to Chalcogenoxanthones via Directed Metalation. Journal of Organic Chemistry, 2007, 72, 2690-2693.	1.7	25
79	Generation of 3- and 5-Lithiothiophene-2-carboxylates via Metalâ^'Halogen Exchange and Their Addition Reactions to Chalcogenoxanthones. Journal of Organic Chemistry, 2007, 72, 2647-2650.	1.7	21
80	Synthesis of analogues of a flexible thiopyrylium photosensitizer for purging blood-borne pathogens and binding mode and affinity studies of their complexes with DNA. Bioorganic and Medicinal Chemistry, 2007, 15, 4406-4418.	1.4	24
81	Site Selectively Templated and Tagged Xerogels for Chemical Sensors. Analytical Chemistry, 2006, 78, 3165-3170.	3.2	35
82	Use of a Red Cell Band 3-Ligand/Antioxidant to Improve Red Cell Storage Properties Following Virucidal Phototeatment with Chalcogenoxanthylium Photosensitizers. Photochemistry and Photobiology, 2006, 82, 1595-1600.	1.3	3
83	A cationic chalcogenoxanthylium photosensitizer effective in vitro in chemosensitive and multidrug-resistant cells. Bioorganic and Medicinal Chemistry, 2006, 14, 8635-8643.	1.4	21
84	Phototoxicity of a core-modified porphyrin and induction of apoptosis. Journal of Photochemistry and Photobiology B: Biology, 2006, 85, 155-162.	1.7	10
85	Selenoxides as Catalysts for Epoxidation and Baeyer-Villiger Oxidation with Hydrogen Peroxide. Synlett, 2006, 2006, 1100-1104.	1.0	11
86	Use of a Red Cell Band 3-Ligand/Antioxidant to Improve Red Cell Storage Properties Following Virucidal Phototeatment with Chalcogenoxanthylium Photosensitizers. Photochemistry and Photobiology, 2006, 82, 1595.	1.3	2
87	Core-modified porphyrins. Part 4: Steric effects on photophysical and biological properties in vitro. Bioorganic and Medicinal Chemistry, 2005, 13, 2235-2251.	1.4	88
88	Structureâ€“activity studies of uptake and phototoxicity with heavy-chalcogen analogues of tetramethylrosamine in vitro in chemosensitive and multidrug-resistant cells. Bioorganic and Medicinal Chemistry, 2005, 13, 6394-6403.	1.4	24
89	Core-modified porphyrins. Part 5: Electronic effects on photophysical and biological properties in vitro. Bioorganic and Medicinal Chemistry, 2005, 13, 5968-5980.	1.4	49
90	Chalcogenoxanthylium photosensitizers for the photodynamic purging of blood-borne viral and bacterial pathogens. Bioorganic and Medicinal Chemistry, 2005, 13, 5927-5935.	1.4	34

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91	Hybrid xerogel films as novel coatings for antifouling and fouling release. Biofouling, 2005, 21, 59-71.	0.8	89
92	2,7-Bis-N,N-dimethylaminochalcogenoxanthen-9-ones via Electrophilic Cyclization with Phosphorus Oxychloride. Organometallics, 2005, 24, 3807-3810.	1.1	30
93	Comparison of the dark and light-induced toxicity of thio and seleno analogues of the thiopyrylium dye AA1. Bioorganic and Medicinal Chemistry, 2004, 12, 2589-2596.	1.4	10
94	Synthesis, properties, and photodynamic properties in vitro of heavy-chalcogen analogues of tetramethylrosamine. Bioorganic and Medicinal Chemistry, 2004, 12, 2537-2544.	1.4	97
95	Analogues of tetramethylrosamine as transport molecules for and inhibitors of P-glycoprotein-mediated multidrug resistance. Bioorganic and Medicinal Chemistry, 2004, 12, 4625-4631.	1.4	17
96	21-Telluraporphyrins. 3. Synthesis, Structure, and Spectral Properties of a 21,21-Dihalo-21-telluraporphyrin. Organometallics, 2004, 23, 4513-4518.	1.1	37
97	Heteroatom Substitution Induced Changes in Excited-State Photophysics and Singlet Oxygen Generation in Chalcogenoxanthylium Dyes:Â Effect of Sulfur and Selenium Substitutionsâ€. Journal of Physical Chemistry B, 2004, 108, 8668-8672.	1.2	110
98	Current Clinical and Preclinical Photosensitizers for Use in Photodynamic Therapy. Journal of Medicinal Chemistry, 2004, 47, 3897-3915.	2.9	981
99	Selenoxides as Catalysts for the Activation of Hydrogen Peroxide. Bromination of Organic Substrates with Sodium Bromide and Hydrogen Peroxide. Organometallics, 2004, 23, 3016-3020.	1.1	68
100	Substituent Effects in Arylseleninic Acid-Catalyzed Bromination of Organic Substrates with Sodium Bromide and Hydrogen Peroxide. Organometallics, 2003, 22, 4158-4162.	1.1	61
101	A Comparison of Linear Optical Properties and Redox Properties in Chalcogenopyrylium Dyes Bearing Ortho-Substituted Aryl Substituents andtert-Butyl Substituents. Journal of Organic Chemistry, 2003, 68, 1804-1809.	1.7	17
102	Water Soluble, Core-Modified Porphyrins. 3. Synthesis, Photophysical Properties, and in Vitro Studies of Photosensitization, Uptake, and Localization with Carboxylic Acid-Substituted Derivatives. Journal of Medicinal Chemistry, 2003, 46, 3734-3747.	2.9	85
103	Mechanistic Studies of the Tellurium(II)/Tellurium(IV) Redox Cycle in Thiol Peroxidase-like Reactions of Diorganotellurides in Methanol. Journal of the American Chemical Society, 2003, 125, 4918-4927.	6.6	99
104	Dendrimeric Organotelluride Catalysts for the Activation of Hydrogen Peroxide. Improved Catalytic Activity through Statistical and Stereoelectronic Effects. Organometallics, 2003, 22, 2883-2890.	1.1	21
105	Dendrimeric Organochalcogen Catalysts for the Activation of Hydrogen Peroxide:Â Origins of the â€œDendrimer Effectâ€•with Catalysts Terminating in Phenylseleno Groups. Journal of the American Chemical Society, 2003, 125, 12558-12566.	6.6	65
106	Selenoxanthones via Directed Metalations in 2-Arylselenobenzamide Derivatives. Journal of Organic Chemistry, 2003, 68, 3344-3347.	1.7	29
107	21-Telluraporphyrins. 2. Catalysts for Bromination Reactions with Hydrogen Peroxide and Sodium Bromide. Organometallics, 2002, 21, 4546-4551.	1.1	45
108	21-Telluraporphyrins. 1. Impact of 21,23-Heteroatom Interactions on Electrochemical Redox Potentials,125Te NMR Spectra, and Absorption Spectra. Organometallics, 2002, 21, 2986-2992.	1.1	43

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109	In Vitro Photodynamic Properties of Chalcogenopyrylium Analogues of the Thiopyrylium Antitumor Agent AA1. Journal of Medicinal Chemistry, 2002, 45, 5123-5135.	2.9	39
110	Water-Soluble, Core-Modified Porphyrins as Novel, Longer-Wavelength-Absorbing Sensitizers for Photodynamic Therapy. II. Effects of Core Heteroatoms and Meso-Substituents on Biological Activity. Journal of Medicinal Chemistry, 2002, 45, 449-461.	2.9	92
111	Iodination of Organic Substrates with Halide Salts and H2O2Using an Organotelluride Catalyst. Organic Letters, 2001, 3, 349-352.	2.4	63
112	Dendrimeric Organochalcogen Catalysts for the Activation of Hydrogen Peroxide:Â Improved Catalytic Activity through Statistical Effects and Cooperativity in Successive Generations. Journal of the American Chemical Society, 2001, 123, 57-67.	6.6	114
113	Photosensitisers for the photodynamic therapy of cancer and other diseases. Expert Opinion on Therapeutic Patents, 2001, 11, 1849-1860.	2.4	20
114	Halogenation of 4-Phenyl-3-(phenylsulfonyl)-2-azetidinones withN-Halosuccinimides. Kinetic vs Thermodynamic Control. Journal of Organic Chemistry, 2000, 65, 7203-7207.	1.7	11
115	Soluble, Infrared-Absorbing Croconate Dyes from 2,6-Di-tert-butyl-4-methylchalcogenopyrylium Salts. Journal of Organic Chemistry, 2000, 65, 2236-2238.	1.7	48
116	Water-Soluble, Core-Modified Porphyrins as Novel, Longer-Wavelength-Absorbing Sensitizers for Photodynamic Therapy. Journal of Medicinal Chemistry, 2000, 43, 2403-2410.	2.9	81
117	A Selenopyrylium Photosensitizer for Photodynamic Therapy Related in Structure to the Antitumor Agent AA1 with Potent in Vivo Activity and No Long-Term Skin Photosensitization. Journal of Medicinal Chemistry, 2000, 43, 4488-4498.	2.9	61
118	A novel asymmetric synthesis of 2-azetidinones from achiral precursors. Tetrahedron Letters, 1999, 40, 585-588.	0.7	14
119	pHâ€Ðependent Chalcogenopyrylium Dyes as Potential Sensitizers for Photodynamic Therapy: Selective Retention in Tumors by Exploiting pH Differences between Tumor and Normal Tissue. Photochemistry and Photobiology, 1999, 70, 630-636.	1.3	35
120	Chalcogenopyranones from disodium chalcogenide additions to 1,4â€pentadiynâ€3â€ones. The role of enol ethers as intermediates. Journal of Heterocyclic Chemistry, 1999, 36, 707-717.	1.4	24
121	Debrominations ofvic-Dibromides with Diorganotellurides. 3. Rate Constants, Eyring and Arrhenius Activation Parameters, and Mechanistic Implications. Journal of Organic Chemistry, 1999, 64, 5677-5681.	1.7	16
122	2,4,6-Triarylchalcogenopyrylium Dyes Related in Structure to the Antitumor Agent AA1 as in Vitro Sensitizers for the Photodynamic Therapy of Cancer. Journal of Medicinal Chemistry, 1999, 42, 3942-3952.	2.9	53
123	Synthesis and Evaluation of Chalcogenopyrylium Dyes as Potential Sensitizers for the Photodynamic Therapy of Cancer. Journal of Medicinal Chemistry, 1999, 42, 3953-3964.	2.9	56
124	Dendrimeric Catalysts for the Activation of Hydrogen Peroxide. Increasing Activity per Catalytic Phenylseleno Group in Successive Generations. Organic Letters, 1999, 1, 1043-1046.	2.4	44
125	Synthetic Routes to 4H-7-Hydroxybenzo[b]tellurin-4-ones. Organometallics, 1998, 17, 3588-3592.	1.1	4
126	Hydrolysis Studies of Chalcogenopyrylium Trimethine Dyes. 2. Chalcogen Atom Effects on the Rates of Hydrolysis of Chalcogenopyrylium Dyes. Journal of Organic Chemistry, 1998, 63, 5716-5721.	1.7	8

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127	Debrominations ofvic-Dibromides with Diorganotellurides. 1. Stereoselectivity, Relative Rates, and Mechanistic Implications. Journal of Organic Chemistry, 1998, 63, 169-176.	1.7	25
128	Activated Michael Acceptors as Precursors to Heterocycles. 1. 2-Azetidinones from 2-(Arylsulfonyl)propenoyl Chlorides and Amines. Journal of Organic Chemistry, 1998, 63, 5403-5412.	1.7	14
129	Debrominations ofvic-Dibromides with Diorganotellurides. 2. Catalytic Processes in Diorganotelluride. Journal of Organic Chemistry, 1998, 63, 177-180.	1.7	27
130	Hydrolysis Studies of Chalcogenopyrylium Trimethine Dyes. 1. Product Studies in Alkaline Solution (pH) Tj ETQq0 0 0 rgBT /Overlock 10	1.7	16
131	Electronic Substituent Effects in Quenching of1O2by Diaryl Tellurides. Organometallics, 1997, 16, 4386-4391.	1.1	24
132	Chalcogen(IV)â^'Chalcogen(II) Redox Cycles. 1. Halogenation of Organic Substrates with Dihaloselenium(IV) and -tellurium(IV) Derivatives. Dehalogenation of Vicinal Dibromides with Diaryl Tellurides. Organometallics, 1996, 15, 4285-4292.	1.1	43
133	Positive Halogens from Halides and Hydrogen Peroxide with Organotellurium Catalysts. Journal of the American Chemical Society, 1996, 118, 313-318.	6.6	48
134	1H NMR Exchange Reactions in Tellurium(IV) Derivatives with Cleavage of Te-N Bonds. Organometallics, 1995, 14, 5258-5262.	1.1	21
135	A Mechanism for Heteroatom Scrambling in the Synthesis of Unsymmetrical Chalcogenopyrylium Trimethine Dyes. Journal of Organic Chemistry, 1995, 60, 6631-6634.	1.7	8
136	Stepwise Mechanism for Oxidative Addition of Iodine to Organotellurium(II) Compounds As Observed by Stopped-Flow Spectroscopy. Organometallics, 1995, 14, 1442-1449.	1.1	9
137	Syntheses of 4H-Thiopyran-4-one 1,1-Dioxides as Precursors to Sulfone-Containing Analogs of Tetracyanoquinodimethane. Journal of Organic Chemistry, 1995, 60, 1665-1673.	1.7	32
138	Electron Transport in 4H-1,1-Dioxo-4-(dicyanomethylidene)thiopyrans. Investigation of x-ray Structures of Neutral Molecules, Electrochemical Reduction to the Anion Radicals, and Absorption Properties and EPR Spectra of the Anion Radicals. Journal of Organic Chemistry, 1995, 60, 1674-1685.	1.7	17
139	Novel materials for non-ablative optical recording. Advanced Materials, 1994, 6, 48-51.	11.1	8
140	Oxidation of telluropyrylium dyes with ozone, chlorine, and bromine. Differing regiochemical and kinetic behavior with respect to oxidations of oxygen-, sulfur-, and selenium-containing dyes. Organometallics, 1994, 13, 533-540.	1.1	16
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