Michael R Detty

List of Publications by Year
in descending order

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197 papers	8,294 citations	44069 48 h-index	66911 78 g-index
198 all docs	198 docs citations	198 times ranked	6937 citing authors

#	Article	IF	Citations
1	Current Clinical and Preclinical Photosensitizers for Use in Photodynamic Therapy. Journal of Medicinal Chemistry, 2004, 47, 3897-3915.	6.4	981
2	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.	13.7	302
3	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.	13.7	156
4	Environmentally Benign Solâ€“Gel Antifouling and Foul-Releasing Coatings. Accounts of Chemical Research, 2014, 47, 678-687.	15.6	135
5	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.	3.1	129
6	Chalcogenapyrylium dyes as potential photochemotherapeutic agents. Solution studies of heavy atom effects on triplet yields, quantum efficiencies of singlet oxygen generation, rates of reaction with singlet oxygen, and emission quantum yields. Journal of the American Chemical Society, 1990, 112, 3845-3855.	13.7	118
7	Bis(trialkylsilyl) chalcogenides. 1. Preparation and reduction of group VIA oxides. Journal of Organic Chemistry, 1982, 47, 1354-1356.	3.2	114
8	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.	13.7	114
9	Oxidation of selenides and tellurides with positive halogenating species. Journal of Organic Chemistry, 1980, 45, 274-279.	3.2	112
10	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.	2.6	110
11	Rational design of a chalcogenopyrylium-based surface-enhanced resonance Raman scattering nanoprobe with attomolar sensitivity. Nature Communications, 2015, 6, 6570.	12.8	110
12	Cyclization of 3-(arylchalcogeno)propenoyl chlorides. 1. 1,2-Oxatellurol-1-ium halides via ipso acylation. Journal of the American Chemical Society, 1983, 105, 875-882.	13.7	100
13	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.	13.7	99
14	Synthesis, properties, and photodynamic properties in vitro of heavy-chalcogen analogues of tetramethylrosamine. Bioorganic and Medicinal Chemistry, 2004, 12, 2537-2544.	3.0	97
15	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.	2.2	97
16	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.	6.4	92
17	Regiochemical control of the addition of aryl selenols and aryl thiols to the triple bond of arylpropiolates. Synthesis of seleno- and thioflavones and seleno- and thioaurones. Journal of Organic Chemistry, 1980, 45, 4611-4615.	3.2	91
18	Hybrid xerogel films as novel coatings for antifouling and fouling release. Biofouling, 2005, 21, 59-71.	2.2	89

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19	Core-modified porphyrins. Part 4: Steric effects on photophysical and biological properties in vitro. Bioorganic and Medicinal Chemistry, 2005, 13, 2235-2251.	3.0	88
20	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.	6.4	85
21	Isoselenazolones as Catalysts for the Activation of Bromine: Bromolactonization of Alkenoic Acids and Oxidation of Alcohols. Journal of Organic Chemistry, 2012, 77, 9541-9552.	3.2	83
22	Cyclization of 3-(arylchalcogeno)propenoyl chlorides. 2. Chalcogen and substituent control in the regiochemistry of intramolecular acylation. Preparation of benzo[b]telluropyrones. Journal of the American Chemical Society, 1983, 105, 883-890.	13.7	81
23	Chalcogenapyrylium dyes as photochemotherapeutic agents. 2. Tumor uptake, mitochondrial targeting, and singlet-oxygen-induced inhibition of cytochrome c oxidase. Journal of Medicinal Chemistry, 1990, 33, 1108-1116.	6.4	81
24	Water-Soluble, Core-Modified Porphyrins as Novel, Longer-Wavelength-Absorbing Sensitizers for Photodynamic Therapy. Journal of Medicinal Chemistry, 2000, 43, 2403-2410.	6.4	81
25	Synthesis of highly functionalized flavones and chromones using cycloacylation reactions and C-3 functionalization. A total synthesis of hormothamnione. Journal of Organic Chemistry, 1990, 55, 4349-4356.	3.2	78
26	Tellurium Analogues of Rosamine and Rhodamine Dyes:â€‰ Synthesis, Structure, 125Te NMR, and Heteroatom Contributions to Excitation Energies. Organometallics, 2007, 26, 6248-6257.	2.3	76
27	Silyl halides from (phenylseleno)silanes. Reaction with oxiranes and alcohols to give hydrolytically stable silyl ethers. Journal of Organic Chemistry, 1981, 46, 1283-1292.	3.2	70
28	Selenoxides as Catalysts for the Activation of Hydrogen Peroxide. Bromination of Organic Substrates with Sodium Bromide and Hydrogen Peroxide. Organometallics, 2004, 23, 3016-3020.	2.3	68
29	Substitution reactions of thallous thiophenoxide and thallous phenyl selenide with halogen-bearing substrates. Journal of Organic Chemistry, 1980, 45, 80-89.	3.2	67
30	Preparation of arylpropiolate esters from trichlorocyclopropenium cation and elaboration of the esters to unsymmetrical 1,4-pentadiyn-3-ones and unsymmetrical tellurapyranones. Journal of Organic Chemistry, 1987, 52, 3662-3668.	3.2	66
31	A Mechanism for the Oxidation of Glutathione to Glutathione Disulfide with Organotellurium(IV) and Organoselenium(IV) Compounds. A Stepwise Process with Implications for Photodynamic Therapy and Other Oxidative Chemotherapy. Journal of Organic Chemistry, 1994, 59, 8245-8250.	3.2	66
32	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.	13.7	65
33	Iodination of Organic Substrates with Halide Salts and H2O2Using an Organotelluride Catalyst. Organic Letters, 2001, 3, 349-352.	4.6	63
34	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.	6.4	61
35	Substituent Effects in Arylseleninic Acid-Catalyzed Bromination of Organic Substrates with Sodium Bromide and Hydrogen Peroxide. Organometallics, 2003, 22, 4158-4162.	2.3	61
36	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.	2.2	61

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37	Aggregation-Induced Increase of the Quantum Yield of Electron Injection from Chalcogenorhodamine Dyes to TiO₂. Journal of Physical Chemistry C, 2011, 115, 6010-6018.	3.1	61
38	Tellurapyrylium dyes. 2. The electron-donating properties of the chalcogen atoms to the chalcogenapyrylium nuclei and their radical dications, neutral radicals, and anions. Organometallics, 1988, 7, 1131-1147.	2.3	58
39	Rhodamine Inhibitors of P-Glycoprotein: An Amide/Thioamide â€œSwitchâ€•for ATPase Activity. Journal of Medicinal Chemistry, 2009, 52, 3328-3341.	6.4	58
40	An ebselen like catalyst with enhanced GPx activity via a selenol intermediate. Organic and Biomolecular Chemistry, 2014, 12, 1215-1219.	2.8	58
41	Telluropyrylium dyes. 1. 2,6-Diphenyltelluropyrylium dyes. Journal of Organic Chemistry, 1982, 47, 5235-5239.	3.2	56
42	Synthesis and Evaluation of Chalcogenopyrylium Dyes as Potential Sensitizers for the Photodynamic Therapy of Cancer. Journal of Medicinal Chemistry, 1999, 42, 3953-3964.	6.4	56
43	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.	3.2	54
44	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.	3.4	54
45	Influence of Surface-Attachment Functionality on the Aggregation, Persistence, and Electron-Transfer Reactivity of Chalcogenorhodamine Dyes on TiO₂. Langmuir, 2012, 28, 7071-7082.	3.5	54
46	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.	6.4	53
47	Selenorhodamine Photosensitizers for Photodynamic Therapy of P-Glycoprotein-Expressing Cancer Cells. Journal of Medicinal Chemistry, 2014, 57, 8622-8634.	6.4	53
48	Tellurapyrylium dyes as catalysts for oxidations with hydrogen peroxide and as scavengers of singlet oxygen. Dihydroxytelluranes as mild oxidizing agents. Organometallics, 1992, 11, 2147-2156.	2.3	52
49	Synthesis and Properties of Heavy Chalcogen Analogues of the Texas Reds and Related Rhodamines. Organometallics, 2014, 33, 2628-2640.	2.3	52
50	Core-modified porphyrins. Part 5: Electronic effects on photophysical and biological properties in vitro. Bioorganic and Medicinal Chemistry, 2005, 13, 5968-5980.	3.0	49
51	Antifouling character of â€˜activeâ€™ hybrid xerogel coatings with sequestered catalysts for the activation of hydrogen peroxide. Biofouling, 2009, 25, 21-33.	2.2	49
52	Positive Halogens from Halides and Hydrogen Peroxide with Organotellurium Catalysts. Journal of the American Chemical Society, 1996, 118, 313-318.	13.7	48
53	Soluble, Infrared-Absorbing Croconate Dyes from 2,6-Di-tert-butyl-4-methylchalcogenopyrylium Salts. Journal of Organic Chemistry, 2000, 65, 2236-2238.	3.2	48
54	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.	2.2	48

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55	Imidazolium-containing diselenides for catalytic oxidations with hydrogen peroxide and sodium bromide in aqueous solutions. Tetrahedron, 2012, 68, 10476-10481.	1.9	48
56	Tellurapyrylium dyes as photochemotherapeutic agents. Surprising tellurium atom effects for the generation of rates of reaction with singlet oxygen. Journal of the American Chemical Society, 1988, 110, 5920-5922.	13.7	47
57	Extreme red shifted SERS nanotags. Chemical Science, 2015, 6, 2302-2306.	7.4	47
58	21-Telluraporphyrins. 2. Catalysts for Bromination Reactions with Hydrogen Peroxide and Sodium Bromide. Organometallics, 2002, 21, 4546-4551.	2.3	45
59	The control of marine biofouling on xerogel surfaces with nanometer-scale topography. Biofouling, 2011, 27, 137-149.	2.2	45
60	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.	7.4	45
61	Dendrimeric Catalysts for the Activation of Hydrogen Peroxide. Increasing Activity per Catalytic Phenylseleno Group in Successive Generations. Organic Letters, 1999, 1, 1043-1046.	4.6	44
62	Electrophilic conversion of oxiranes to allylic alcohols with tert-butyldimethylsilyl iodide. Journal of Organic Chemistry, 1980, 45, 924-926.	3.2	43
63	Î”4,4' -4-chalcogenapyranyl-4h-chalcogenapyrans. Tetrahedron, 1985, 41, 4853-4859.	1.9	43
64	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.	2.3	43
65	21-Telluraporphyrins. 1. Impact of 21,23-Heteroatom Interactions on Electrochemical Redox Potentials,125Te NMR Spectra, and Absorption Spectra. Organometallics, 2002, 21, 2986-2992.	2.3	43
66	12-Te-5 pertelluranes from 1,6-dioxa-6a-tellurapentalenes. Synthesis, structure, and reactivity. Journal of Organic Chemistry, 1983, 48, 5149-5151.	3.2	42
67	Phenylselenotrimethylsilane. A novel source of phenylselenide anion. Tetrahedron Letters, 1978, 19, 5087-5090.	1.4	41
68	12-Te-5 pertelluranes from 1,2-oxatellurolyl-1-ium halides. Synthesis, structure, and reactivity. The quest for delocalization in 10-Te-3 telluranes and 12-Te-5 pertelluranes of thiathiophthene structure. Journal of Organic Chemistry, 1986, 51, 1692-1700.	3.2	41
69	A Stepwise Mechanism for Oxidative Addition of Bromine to Organoselenium(II) and Organotellurium(II) Compounds. Organometallics, 1994, 13, 3338-3345.	2.3	40
70	In Vitro Photodynamic Properties of Chalcogenopyrylium Analogues of the Thiopyrylium Antitumor Agent AA1. Journal of Medicinal Chemistry, 2002, 45, 5123-5135.	6.4	39
71	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.	6.4	39
72	Photosensitization of human glioma cells by chalcogenapyrylium dyes. Journal of Neuro-Oncology, 1989, 7, 179-188.	2.9	38

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73	Organotellurium Fluorescence Probes for Redox Reactions: 9-Aryl-3,6-diaminotelluroxanthylium Dyes and Their Telluroxides. Organometallics, 2013, 32, 4321-4333.	2.3	38
74	From Seconds to Femtoseconds: Solar Hydrogen Production and Transient Absorption of Chalcogenorhodamine Dyes. Journal of the American Chemical Society, 2014, 136, 7740-7750.	13.7	38
75	21-Telluraporphyrins. 3. Synthesis, Structure, and Spectral Properties of a 21,21-Dihalo-21-telluraporphyrin. Organometallics, 2004, 23, 4513-4518.	2.3	37
76	Selenorhodamine Dye-Sensitized Solar Cells: Influence of Structure and Surface-Anchoring Mode on Aggregation, Persistence, and Photoelectrochemical Performance. Langmuir, 2016, 32, 1521-1532.	3.5	37
77	pHâ€Dependent 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.	2.5	35
78	Site Selectively Templated and Tagged Xerogels for Chemical Sensors. Analytical Chemistry, 2006, 78, 3165-3170.	6.5	35
79	Tellurapyrylium dyes as catalysts for the conversion of singlet oxygen and water to hydrogen peroxide. Journal of the American Chemical Society, 1990, 112, 4086-4088.	13.7	34
80	Chalcogenoxanthylium photosensitizers for the photodynamic purging of blood-borne viral and bacterial pathogens. Bioorganic and Medicinal Chemistry, 2005, 13, 5927-5935.	3.0	34
81	Tellurapyrylium dyes. 3. Oxidative halogen addition and tellurium-halogen exchange. Organometallics, 1986, 5, 2250-2256.	2.3	33
82	Rate Accelerations of Bromination Reactions with NaBr and H2O2 via the Addition of Catalytic Quantities of Diaryl Ditellurides. Organometallics, 2014, 33, 5571-5581.	2.3	33
83	Mild reductions of oxides of the Group 6a elements sulfur, selenium, and tellurium with (phenylseleno)trimethylsilane. Journal of Organic Chemistry, 1979, 44, 4528-4531.	3.2	32
84	Preparation of 2,6-diphenyl-4H-chalcogenapyran-4-ones. Journal of Organic Chemistry, 1982, 47, 1968-1969.	3.2	32
85	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.	3.2	32
86	Enamines from iodine oxidation of trialkylamines. 1. Electrophilic capture by cationic heterocyclic rings. Journal of Organic Chemistry, 1984, 49, 2676-2681.	3.2	30
87	Direct lithiation of chalcogenachromones, -flavones, and -pyranones. The interconversion and electrophilic capture of ring-opened and ring-closed anions. Journal of Organic Chemistry, 1988, 53, 1203-1207.	3.2	30
88	Reaction pathways of telluroxide equivalents. Reductive elimination of hydrogen peroxide from dihydroxytelluranes and oxidation of carbon via intramolecular transfer of oxygen. Organometallics, 1991, 10, 702-712.	2.3	30
89	2,7-Bis-N,N-dimethylaminochalcogenoxanthen-9-ones via Electrophilic Cyclization with Phosphorus Oxychloride. Organometallics, 2005, 24, 3807-3810.	2.3	30
90	Novel 21,23-Ditelluraporphyrins and the First 26,28-Ditellurasapphyrin and 30,33-Ditellurarubyrin. Organometallics, 2010, 29, 3431-3441.	2.3	30

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91	Photocatalytic Aerobic Thiol Oxidation with a Self-Sensitized Tellurorhodamine Chromophore. Organometallics, 2017, 36, 2588-2596.	2.3	30
92	Conducting salts of (telluropyranyl)telluropyrans. Tetrahedron Letters, 1983, 24, 539-542.	1.4	29
93	XPS and tellurium-125 NMR studies of organotellurium compounds. 1. Tellurapyrans, tellurapyranones, tellurapyrylium salts, and their benzo analogs in both the tellurium(II) and tellurium(IV) oxidation states. Organometallics, 1989, 8, 861-865.	2.3	29
94	Addition of disodium chalcogenides to 1,5-bis(trimethylsilyl)penta-1,4-diyn-3-one. Syntheses, structure, and reactivity of the parent .DELTA.-4H-chalcogenapyran-4-ones. Organometallics, 1992, 11, 2157-2162.	2.3	29
95	Selenoxanthones via Directed Metalations in 2-Arylselenobenzamide Derivatives. Journal of Organic Chemistry, 2003, 68, 3344-3347.	3.2	29
96	Chemical and electrochemical oxidation of CpRe(PAr3)2H2 complexes to give stable 17-electron radical cations. Disproportionation to diamagnetic species via electron-transfer catalysis. Journal of the American Chemical Society, 1987, 109, 5666-5673.	13.7	28
97	Dithiaporphyrin Derivatives as Photosensitizers in Membranes and Cells. Journal of Physical Chemistry B, 2008, 112, 3268-3276.	2.6	28
98	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.	2.3	28
99	Debrominations ofvic-Dibromides with Diorganotellurides. 2. Catalytic Processes in Diorganotelluride. Journal of Organic Chemistry, 1998, 63, 177-180.	3.2	27
100	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.	3.0	27
101	Interaction of Walsh orbitals in trishomocycloheptatrienes and related hydrocarbons. Journal of the American Chemical Society, 1978, 100, 3005-3014.	13.7	26
102	Regiochemistry and stereochemistry of oxirane ring-opening with silyl halides. Tetrahedron Letters, 1982, 23, 2543-2546.	1.4	26
103	Unusual oxidations and reductions in the conversion of tellurapyranones to tellurapyrylium salts. One-electron reductions with diisobutylaluminum hydride. Organometallics, 1988, 7, 1122-1126.	2.3	26
104	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.	4.1	26
105	Preparation of unnatural tellurium analogs of naturally occurring chromones and flavones. Control of ipso vs. ortho acylation, selective demethylation, and olefin-forming condensation reactions in benzo[b]tellurapyranones. Organometallics, 1988, 7, 2188-2197.	2.3	25
106	Debrominations ofvic-Dibromides with Diorganotellurides. 1. Stereoselectivity, Relative Rates, and Mechanistic Implications. Journal of Organic Chemistry, 1998, 63, 169-176.	3.2	25
107	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.	3.2	25
108	Trimethylsilyl iodide. preparation from and catalytic behavior with phenylselenotrimethylsilane. Tetrahedron Letters, 1979, 20, 4189-4192.	1.4	24

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109	Electronic Substituent Effects in Quenching of1O2by Diaryl Tellurides. Organometallics, 1997, 16, 4386-4391.	2.3	24
110	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.	2.6	24
111	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.	3.0	24
112	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.	3.0	24
113	Functionalisation of hollow gold nanospheres for use as stable, red-shifted SERS nanotags. Nanoscale, 2015, 7, 6075-6082.	5.6	23
114	Surface enhanced resonance Raman spectroscopy (SERRS) for probing through plastic and tissue barriers using a handheld spectrometer. Analyst, The, 2018, 143, 5965-5973.	3.5	23
115	Importance of Singlet Oxygen in Photocatalytic Reactions of 2-Aryl-1,2,3,4-tetrahydroisoquinolines Using Chalcogenorosamine Photocatalysts. Organometallics, 2019, 38, 2431-2442.	2.3	23
116	.DELTA.4,4'-4-Telluropyranyl-4H-telluropyrans. 1. Tellurosulfides and tellurium-sulfur exchange. Journal of Organic Chemistry, 1982, 47, 1146-1148.	3.2	22
117	Tellurium-centered radical cations. 1. The 1,3-ditellurole radical cation by chemical, electrochemical, and photochemical oxidation. Journal of the American Chemical Society, 1985, 107, 6298-6304.	13.7	21
118	X-ray photoelectron spectroscopy and tellurium-125 NMR studies of organotellurium compounds. II. Oxatellurolylium halides and dioxatellurapentalenes and their products of oxidative halogen addition. Organometallics, 1989, 8, 866-870.	2.3	21
119	Reductive elimination of chlorine from dichlorotellurium(IV) compounds. Kinetic studies in tetrachloroethane and acetonitrile. Organometallics, 1993, 12, 2496-2504.	2.3	21
120	1H NMR Exchange Reactions in Tellurium(IV) Derivatives with Cleavage of Te-N Bonds. Organometallics, 1995, 14, 5258-5262.	2.3	21
121	Dendrimeric Organotelluride Catalysts for the Activation of Hydrogen Peroxide. Improved Catalytic Activity through Statistical and Stereoelectronic Effects. Organometallics, 2003, 22, 2883-2890.	2.3	21
122	A cationic chalcogenoxanthylium photosensitizer effective in vitro in chemosensitive and multidrug-resistant cells. Bioorganic and Medicinal Chemistry, 2006, 14, 8635-8643.	3.0	21
123	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.	3.2	21
124	Photosensitisers for the photodynamic therapy of cancer and other diseases. Expert Opinion on Therapeutic Patents, 2001, 11, 1849-1860.	5.0	20
125	â€œSwitched-Onâ€•Flexible Chalcogenopyrylium Photosensitizers. Changes in Photophysical Properties upon Binding to DNA. Journal of Physical Chemistry B, 2007, 111, 9686-9692.	2.6	20
126	Xerogel-Sequestered Silanated Organochalcogenide Catalysts for Bromination with Hydrogen Peroxide and Sodium Bromide. Molecules, 2015, 20, 9616-9639.	3.8	20

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127	Stereocontrolled synthesis, conformational features, and response to thermal activation of the seven possible bis- and trishomocycloheptatrienes. Journal of the American Chemical Society, 1977, 99, 821-827.	13.7	19
128	Synthesis and properties of (E)-2-(acylmethylene)tetrahydrofurans. 6-Hydroxy-1,3-hexanedione equivalents. Journal of Organic Chemistry, 1979, 44, 2073-2077.	3.2	19
129	Electron-accepting molecules containing telluropyranyl groups. The effect of tellurium oxidation state on reduction potentials. Journal of Organic Chemistry, 1987, 52, 2123-2130.	3.2	19
130	Spontaneous multiscale phase separation within fluorinated xerogel coatings for fouling-release surfaces. Biofouling, 2012, 28, 143-157.	2.2	19
131	Selenorhodamine photosensitizers with the Texas-red core for photodynamic therapy of cancer cells. Bioorganic and Medicinal Chemistry, 2015, 23, 4501-4507.	3.0	19
132	Sensitive SERS nanotags for use with 1550 nm (retina-safe) laser excitation. Analyst, The, 2016, 141, 5062-5065.	3.5	19
133	Evidence in support of the Corey-Kahn mechanism of quenching of singlet oxygen with organometallic compounds. Oxophilicity and rates of intersystem crossing in organochalcogen compounds. Organometallics, 1992, 11, 2310-2312.	2.3	18
134	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.	2.8	18
135	Longer-Wavelength-Absorbing, Extended Chalcogenorhodamine Dyes. Organometallics, 2016, 35, 1944-1955.	2.3	18
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