

Doron Shabat

List of Publications by Year in descending order

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papers

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23544

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157
times ranked

7081
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#	ARTICLE	IF	CITATIONS
1	A Unique Paradigm for a Turn-ON Near-Infrared Cyanine-Based Probe: Noninvasive Intravital Optical Imaging of Hydrogen Peroxide. <i>Journal of the American Chemical Society</i> , 2011, 133, 10960-10965.	6.6	333
2	Self-Immolative Polymers. <i>Journal of the American Chemical Society</i> , 2008, 130, 5434-5435.	6.6	319
3	Self-Immolative Dendrimers. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 4494-4499.	7.2	295
4	Aldolase Antibodies of Remarkable Scope. <i>Journal of the American Chemical Society</i> , 1998, 120, 2768-2779.	6.6	233
5	Opening a Gateway for Chemiluminescence Cell Imaging: Distinctive Methodology for Design of Bright Chemiluminescent Dioxetane Probes. <i>ACS Central Science</i> , 2017, 3, 349-358.	5.3	217
6	Bioactivation of Self-Immolative Dendritic Prodrugs by Catalytic Antibody 38C2. <i>Journal of the American Chemical Society</i> , 2004, 126, 1726-1731.	6.6	204
7	Near-Infrared Dioxetane Luminophores with Direct Chemiluminescence Emission Mode. <i>Journal of the American Chemical Society</i> , 2017, 139, 13243-13248.	6.6	200
8	“Donor”-Two-Acceptor”-Dye Design: A Distinct Gateway to NIR Fluorescence. <i>Journal of the American Chemical Society</i> , 2012, 134, 20412-20420.	6.6	197
9	Dendritic, Oligomeric, and Polymeric Self-Immolative Molecular Amplification. <i>Chemical Reviews</i> , 2016, 116, 1309-1352.	23.0	195
10	Meclofenamic Acid and Diclofenac, Novel Templates of KCNQ2/Q3 Potassium Channel Openers, Depress Cortical Neuron Activity and Exhibit Anticonvulsant Properties. <i>Molecular Pharmacology</i> , 2005, 67, 1053-1066.	1.0	190
11	Remarkable Enhancement of Chemiluminescent Signal by Dioxetane-Fluorophore Conjugates: Turn-ON Chemiluminescence Probes with Color Modulation for Sensing and Imaging. <i>Journal of the American Chemical Society</i> , 2016, 138, 13438-13446.	6.6	180
12	Quinone-Methide Species, A Gateway to Functional Molecular Systems: From Self-Immolative Dendrimers to Long-Wavelength Fluorescent Dyes. <i>Accounts of Chemical Research</i> , 2014, 47, 2970-2984.	7.6	167
13	Targeting Bone Metastases with a Bispecific Anticancer and Antiangiogenic Polymer-Alendronate-Taxane Conjugate. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 2949-2954.	7.2	164
14	Single-Triggered Trimeric Prodrugs. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 716-720.	7.2	154
15	Chemiluminescent Probes for Activity-Based Sensing of Formaldehyde Released from Folate Degradation in Living Mice. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 7508-7512.	7.2	150
16	Recent Advances and Challenges in Luminescent Imaging: Bright Outlook for Chemiluminescence of Dioxetanes in Water. <i>ACS Central Science</i> , 2019, 5, 949-959.	5.3	141
17	Prodrug Activation Gated by a Molecular “OR”-Logic Trigger. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 4378-4381.	7.2	140
18	A Glowing Trajectory between Bio- and Chemiluminescence: From Luciferin-Based Probes to Triggerable Dioxetanes. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 16454-16463.	7.2	140

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19	Real-time monitoring of drug release. <i>Chemical Communications</i> , 2010, 46, 553-555.	2.2	134
20	Enzymatic Activation of Second-Generation Dendritic Prodrugs: Conjugation of Self-Immolative Dendrimers with Poly(ethylene glycol) via Click Chemistry. <i>Bioconjugate Chemistry</i> , 2006, 17, 1432-1440.	1.8	133
21	Targeting Antibacterial Agents by Using Drug-Carrying Filamentous Bacteriophages. <i>Antimicrobial Agents and Chemotherapy</i> , 2006, 50, 2087-2097.	1.4	133
22	Unprecedented Sensitivity in a Probe for Monitoring Cathepsin B: Chemiluminescence Microscopy Cell Imaging of a Natively Expressed Enzyme. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 15633-15638.	7.2	129
23	A Highly Efficient Chemiluminescence Probe for the Detection of Singlet Oxygen in Living Cells. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 11793-11796.	7.2	126
24	Dendritic Chain Reaction. <i>Journal of the American Chemical Society</i> , 2009, 131, 9934-9936.	6.6	125
25	A Highly Selective and Sensitive Chemiluminescent Probe for Real-Time Monitoring of Hydrogen Peroxide in Cells and Animals. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 14326-14330.	7.2	112
26	The emergence of aqueous chemiluminescence: new promising class of phenoxy 1,2-dioxetane luminophores. <i>Chemical Communications</i> , 2018, 54, 2073-2085.	2.2	109
27	Chemiluminescent Probe for the In Vitro and In Vivo Imaging of Cancers Overexpressing NQO1. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 1739-1743.	7.2	104
28	Self-Immolative Chemiluminescence Polymers: Innate Assimilation of Chemiexcitation in a Domino-like Depolymerization. <i>Journal of the American Chemical Society</i> , 2017, 139, 10002-10008.	6.6	103
29	A Catalytic Enantioselective Route to Hydroxy-Substituted Quaternary Carbon Centers: % Resolution of Tertiary Aldols with a Catalytic Antibody. <i>Journal of the American Chemical Society</i> , 1999, 121, 7283-7291.	6.6	101
30	Catalytic Enantioselective Retro-Aldol Reactions: Kinetic Resolution of β^2 -Hydroxyketones with Aldolase Antibodies. <i>Angewandte Chemie - International Edition</i> , 1998, 37, 2481-2484.	7.2	100
31	Self-Immolative Comb Polymers: Multiple Release of Side Reporters by a Single Stimulus Event. <i>Chemistry - A European Journal</i> , 2008, 14, 6857-6861.	1.7	92
32	Self-immolative dendritic probe for direct detection of triacetone triperoxide. <i>Chemical Communications</i> , 2008, , 5701.	2.2	90
33	Self-immolative dendrimers as novel drug delivery platforms. <i>Journal of Polymer Science Part A</i> , 2006, 44, 1569-1578.	2.5	86
34	UV Light-Responsive Peptide-Based Supramolecular Hydrogel for Controlled Drug Delivery. <i>Macromolecular Rapid Communications</i> , 2018, 39, e1800588.	2.0	85
35	Personalized Hydrogels for Engineering Diverse Fully Autologous Tissue Implants. <i>Advanced Materials</i> , 2019, 31, e1803895.	11.1	85
36	Enantioselective Total Synthesis of Some Brevicomins Using Aldolase Antibody 38C2. <i>Chemistry - A European Journal</i> , 1998, 4, 881-885.	1.7	83

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37	A Functional Chemiluminescent Probe for in Vivo Imaging of Natural Killer Cell Activity Against Tumours. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 5699-5703.	7.2	81
38	Modulation of Drug Resistance in Ovarian Adenocarcinoma Using Chemotherapy Entrapped in Hyaluronan-Grafted Nanoparticle Clusters. <i>ACS Nano</i> , 2014, 8, 2183-2195.	7.3	80
39	Direct Real-Time Monitoring of Prodrug Activation by Chemiluminescence. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 9033-9037.	7.2	80
40	Ultrasensitive Detection of <i>Salmonella</i> and <i>Listeria monocytogenes</i> by Small-Molecule Chemiluminescence Probes. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 10361-10367.	7.2	79
41	A Humanized Aldolase Antibody for Selective Chemotherapy and Adaptor Immunotherapy. <i>Journal of Molecular Biology</i> , 2003, 332, 889-899.	2.0	77
42	Two-Component Dendritic Chain Reactions: Experiment and Theory. <i>Journal of the American Chemical Society</i> , 2010, 132, 3945-3952.	6.6	77
43	Enhanced cytotoxicity of a polymer-drug conjugate with triple payload of paclitaxel. <i>Bioorganic and Medicinal Chemistry</i> , 2009, 17, 4327-4335.	1.4	73
44	Self-immolative dendrimers: A distinctive approach to molecular amplification. <i>Soft Matter</i> , 2010, 6, 1073.	1.2	72
45	Activity-Based Optical Sensing Enabled by Self-Immolative Scaffolds: Monitoring of Release Events by Fluorescence or Chemiluminescence Output. <i>Accounts of Chemical Research</i> , 2019, 52, 2806-2817.	7.6	72
46	Activity-Linked Labeling of Enzymes by Self-Immolative Polymers. <i>Bioconjugate Chemistry</i> , 2009, 20, 1783-1791.	1.8	71
47	Self-immolative dendrimer biodegradability by multi-enzymatic triggering. <i>Chemical Communications</i> , 2004, , 1614-1615.	2.2	70
48	Pre- and Postsynaptic Activation of M-Channels By a Novel Opener Dampens Neuronal Firing and Transmitter Release. <i>Journal of Neurophysiology</i> , 2007, 97, 283-295.	0.9	69
49	A Chemical Adaptor System Designed To Link a Tumor-Targeting Device with a Prodrug and an Enzymatic Trigger. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 327-332.	7.2	67
50	A Novel Antitumor Prodrug Platform Designed to Be Cleaved by the Endoprotease Legumain. <i>Bioconjugate Chemistry</i> , 2009, 20, 500-510.	1.8	65
51	An Efficient Sol-Gel Reactor for Antibody-Catalyzed Transformations. <i>Chemistry of Materials</i> , 1997, 9, 2258-2260.	3.2	64
52	Synthesis and use of QCy7-derived modular probes for the detection and imaging of biologically relevant analytes. <i>Nature Protocols</i> , 2014, 9, 27-36.	5.5	64
53	Self-Immolative Polymers: An Emerging Class of Degradable Materials with Distinct Disassembly Profiles. <i>Journal of the American Chemical Society</i> , 2021, 143, 21177-21188.	6.6	63
54	Remarkable drug-release enhancement with an elimination-based AB3 self-immolative dendritic amplifier. <i>Bioorganic and Medicinal Chemistry</i> , 2007, 15, 3720-3727.	1.4	62

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55	Tumor targeting profiling of hyaluronan-coated lipid based-nanoparticles. <i>Nanoscale</i> , 2014, 6, 3742-3752.	2.8	60
56	Unprecedented Sensitivity in a Probe for Monitoring Cathepsinâ€¦B: Chemiluminescence Microscopy Cellâ€maging of a Natively Expressed Enzyme. <i>Angewandte Chemie</i> , 2017, 129, 15839-15844.	1.6	60
57	Chemiluminescent Probes for Activityâ€Based Sensing of Formaldehyde Released from Folate Degradation in Living Mice. <i>Angewandte Chemie</i> , 2018, 130, 7630-7634.	1.6	60
58	Light emission enhancement by supramolecular complexation of chemiluminescence probes designed for bioimaging. <i>Chemical Science</i> , 2019, 10, 2945-2955.	3.7	60
59	Autoinductive Exponential Signal Amplification: A Diagnostic Probe for Direct Detection of Fluoride. <i>Chemistry - A European Journal</i> , 2011, 17, 12123-12128.	1.7	59
60	Image-guided surgery using near-infrared Turn-ON fluorescent nanoprobcs for precise detection of tumor margins. <i>Theranostics</i> , 2018, 8, 3437-3460.	4.6	58
61	Near-Infrared Chemiluminescent Probe for Real-Time Monitoring Singlet Oxygen in Cells and Mice Model. <i>ACS Sensors</i> , 2020, 5, 3158-3164.	4.0	58
62	Ultrafast Excited-State Proton Transfer to the Solvent Occurs on a Hundred-Femtosecond Time-Scale. <i>Journal of Physical Chemistry A</i> , 2013, 117, 3405-3413.	1.1	57
63	Receiverâ€Amplifier, Self-Immolative Dendritic Device. <i>Chemistry - A European Journal</i> , 2007, 13, 812-821.	1.7	56
64	The azaquinone-methide elimination: comparison study of 1,6- and 1,4-eliminations under physiological conditions. <i>Organic and Biomolecular Chemistry</i> , 2008, 6, 2669.	1.5	55
65	Rapid chemiexcitation of phenoxy-dioxetane luminophores yields ultrasensitive chemiluminescence assays. <i>Chemical Science</i> , 2019, 10, 1380-1385.	3.7	53
66	Polymeric nanotheranostics for real-time non-invasive optical imaging of breast cancer progression and drug release. <i>Cancer Letters</i> , 2014, 352, 81-89.	3.2	52
67	Bioactivation of carbamate-based 20(S)-camptothecin prodrugs. <i>Bioorganic and Medicinal Chemistry</i> , 2004, 12, 1859-1866.	1.4	51
68	Super-Resolution Genome Mapping in Silicon Nanochannels. <i>ACS Nano</i> , 2016, 10, 9823-9830.	7.3	49
69	NIR Fluorogenic Dye as a Modular Platform for Prodrug Assembly: Realâ€Time in vivo Monitoring of Drug Release. <i>ChemMedChem</i> , 2015, 10, 999-1007.	1.6	48
70	Synthesis and characterization of a catalytic Antibodyâ€HPMA copolymer-Conjugate as a tool for tumor selective prodrug activation. <i>Bioorganic and Medicinal Chemistry</i> , 2002, 10, 3023-3029.	1.4	47
71	Antibody catalysis of a reaction otherwise strongly disfavoured in water. <i>Nature</i> , 1995, 374, 143-146.	13.7	46
72	<i>ortho</i>-Chlorination of phenoxy 1,2-dioxetane yields superior chemiluminescent probes for<i> in vitro</i> and<i> in vivo</i> imaging. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 1708-1712.	1.5	46

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73	Single-Triggered AB6 Self-Immolative Dendritic Amplifiers. <i>Chemistry - A European Journal</i> , 2007, 13, 4523-4528.	1.7	45
74	Sulfhydryl-based dendritic chain reaction. <i>Chemical Communications</i> , 2010, 46, 6575.	2.2	44
75	Chemical Adaptor Systems. <i>Chemistry - A European Journal</i> , 2004, 10, 2626-2634.	1.7	43
76	Controlled Assembly of Peptide Nanotubes Triggered by Enzymatic Activation of Self-Immolative Dendrimers. <i>ChemBioChem</i> , 2007, 8, 859-862.	1.3	43
77	A novel quenched fluorescent activity-based probe reveals caspase-3 activity in the endoplasmic reticulum during apoptosis. <i>Chemical Science</i> , 2016, 7, 1322-1337.	3.7	43
78	A short enantioselective synthesis of 1-deoxy-l-xylulose by antibody catalysis. <i>Tetrahedron Letters</i> , 1999, 40, 1437-1440.	0.7	41
79	Synthesis and evaluation of new NIR-fluorescent probes for cathepsin B: ICT versus FRET as a turn-ON mode-of-action. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2014, 24, 2453-2458.	1.0	41
80	Bio- und Chemilumineszenz in der biologischen Bildgebung: von Luciferin-basierten Sonden zu aktivierbaren Dioxetanen. <i>Angewandte Chemie</i> , 2017, 129, 16674-16683.	1.6	39
81	Molecular probe for enzymatic activity with dual output. <i>Bioorganic and Medicinal Chemistry</i> , 2007, 15, 7318-7324.	1.4	38
82	Chemotherapeutic bone-targeted bisphosphonate prodrugs with hydrolytic mode of activation. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2008, 18, 816-820.	1.0	38
83	Exponential diagnostic signal amplification via dendritic chain reaction: the dendritic effect of a self-immolative amplifier component. <i>New Journal of Chemistry</i> , 2012, 36, 386-393.	1.4	38
84	Modular theranostic prodrug based on a FRET-activated self-immolative linker. <i>Journal of Controlled Release</i> , 2012, 164, 276-282.	4.8	38
85	Chemiluminescent Carbapenem-Based Molecular Probe for Detection of Carbapenemase Activity in Live Bacteria. <i>Chemistry - A European Journal</i> , 2020, 26, 3647-3652.	1.7	38
86	Dendritic chain reaction: Responsive release of hydrogen peroxide upon generation and enzymatic oxidation of methanol. <i>Bioorganic and Medicinal Chemistry</i> , 2010, 18, 3643-3647.	1.4	37
87	Ultrafast Excited-State Intermolecular Proton Transfer of Cyanine Fluorochrome Dyes. <i>Journal of Physical Chemistry A</i> , 2012, 116, 85-92.	1.1	37
88	A simple FRET-based modular design for diagnostic probes. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 710-715.	1.5	36
89	A Tale of Switched Functions: From Cyclooxygenase Inhibition to M-Channel Modulation in New Diphenylamine Derivatives. <i>PLoS ONE</i> , 2007, 2, e1332.	1.1	34
90	Self-propagating amplification reactions for molecular detection and signal amplification: Advantages, pitfalls, and challenges. <i>Journal of Physical Organic Chemistry</i> , 2018, 31, e3827.	0.9	34

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91	Persistent Chemiluminescent Glow of Phenoxyâ€dioxetane Luminophore Enables Unique CRETâ€Based Detection of Proteases. <i>Chemistry - A European Journal</i> , 2019, 25, 14679-14687.	1.7	34
92	Spectroscopic Quantification of 5-Hydroxymethylcytosine in Genomic DNA. <i>Analytical Chemistry</i> , 2014, 86, 8231-8237.	3.2	32
93	Ultrafast Proton Transfer of Three Novel Quinone Cyanine Photoacids. <i>Journal of Physical Chemistry A</i> , 2012, 116, 7353-7363.	1.1	31
94	Comprehensive Study of Ultrafast Excited-State Proton Transfer in Water and D ₂ O Providing the Missing RO ⁺ â€H ⁺ Ion-Pair Fingerprint. <i>Journal of Physical Chemistry A</i> , 2014, 118, 4425-4443.	1.1	31
95	Chemiluminescent Protease Probe for Rapid, Sensitive, and Inexpensive Detection of Live <i>Mycobacterium tuberculosis</i> . <i>ACS Central Science</i> , 2021, 7, 803-814.	5.3	31
96	Substituent-dependent disassembly of self-immolative dendrimers. <i>New Journal of Chemistry</i> , 2007, 31, 1307.	1.4	30
97	Chemiluminescent Probe for the Inâ€Vitro and Inâ€Vivo Imaging of Cancers Overâ€Expressing NQO1. <i>Angewandte Chemie</i> , 2019, 131, 1753-1757.	1.6	30
98	Powerful Chemiluminescence Probe for Rapid Detection of Prostate Specific Antigen Proteolytic Activity: Forensic Identification of Human Semen. <i>Bioconjugate Chemistry</i> , 2020, 31, 2488-2493.	1.8	30
99	Injectable Nanocomposite Implants Reduce ROS Accumulation and Improve Heart Function after Infarction. <i>Advanced Science</i> , 2021, 8, e2102919.	5.6	30
100	Using antibodies to perturb the coordination sphere of a transition metal complex. <i>Nature</i> , 1996, 382, 339-341.	13.7	29
101	A Highly Efficient Chemiluminescence Probe for the Detection of Singlet Oxygen in Living Cells. <i>Angewandte Chemie</i> , 2017, 129, 11955-11958.	1.6	28
102	Enzymeâ€Activated, Chemiluminescent Siderophoreâ€Dioxetane Probes Enable the Selective and Highly Sensitive Detection of Bacterial Pathogens. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	26
103	Synthesis, Hydrolytic Activation and Cytotoxicity of Etoposide Prodrugs. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2002, 12, 557-560.	1.0	24
104	New chemical adaptor unit designed to release a drug from a tumor targeting device by enzymatic triggering. <i>Bioorganic and Medicinal Chemistry</i> , 2004, 12, 1853-1858.	1.4	24
105	Some new aspects of dendrimer applications. <i>Journal of Luminescence</i> , 2005, 111, 315-325.	1.5	24
106	Enzymatic activation of hydrophobic self-immolative dendrimers: The effect of reporters with ionizable functional groups. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2009, 19, 3959-3962.	1.0	24
107	New repertoire of â€donor-two-acceptorâ€ TM NIR fluorogenic dyes. <i>Bioorganic and Medicinal Chemistry</i> , 2013, 21, 3602-3608.	1.4	24
108	Enhancement of fluorescent properties of near-infrared dyes using clickable oligoglycerol dendrons. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 4727-4732.	1.5	24

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109	The pyridinone-methide elimination. <i>Organic and Biomolecular Chemistry</i> , 2009, 7, 4825.	1.5	23
110	Turn on chemiluminescence-based probes for monitoring tyrosinase activity in conjunction with biological thiols. <i>Chemical Communications</i> , 2021, 57, 11386-11389.	2.2	23
111	Excited-State Proton Transfer from Quinone-Cyanine 9 to Protic Polar-Solvent Mixtures. <i>Journal of Physical Chemistry A</i> , 2014, 118, 1832-1840.	1.1	22
112	Modular Access to Diverse Chemiluminescent Dioxetane-Luminophores through Convergent Synthesis. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	22
113	Amperometric Assay for Aldolase Activity: An Antibody-Catalyzed Ferrocenylamine Formation. <i>Analytical Chemistry</i> , 2006, 78, 1459-1461.	3.2	20
114	Domino Dendrimers. , 0, , 59-94.		20
115	Ultrasensitive Detection of <i>Salmonella</i> and <i>Listeria monocytogenes</i> by Small-Molecule Chemiluminescence Probes. <i>Angewandte Chemie</i> , 2019, 131, 10469-10475.	1.6	20
116	Hydroquinone-quinone oxidation by molecular oxygen: a simple tool for signal amplification through auto-generation of hydrogen peroxide. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 5074.	1.5	19
117	Chemiluminescence Detection of Hydrogen Sulfide Release by β -Lactamase-Catalyzed β -Lactam Biodegradation: Unprecedented Pathway for Monitoring β -Lactam Antibiotic Bacterial Resistance. <i>Bioconjugate Chemistry</i> , 2021, 32, 991-1000.	1.8	19
118	Chemiluminescence molecular probe with intrinsic auto-inductive amplification: incorporation of chemiexcitation in a quinone-methide elimination. <i>Chemical Communications</i> , 2018, 54, 2655-2658.	2.2	18
119	Direct Real-Time Monitoring of Prodrug Activation by Chemiluminescence. <i>Angewandte Chemie</i> , 2018, 130, 9171-9175.	1.6	18
120	Title is missing!. <i>Angewandte Chemie</i> , 2003, 115, 341-346.	1.6	14
121	Tagging the Untaggable: A Difluoroalkyl-Sulfinate Ketone-Based Reagent for Direct C-H Functionalization of Bioactive Heteroarenes. <i>Bioconjugate Chemistry</i> , 2016, 27, 1965-1971.	1.8	14
122	Enzyme-mediated nutrient release: glucose-precursor activation by β -galactosidase to induce bacterial growth. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 2903.	1.5	13
123	Molecular Insight into Long-Wavelength Fluorogenic Dye Design: Hydrogen Bond Induces Activation of a Dormant Acceptor. <i>Chemistry - A European Journal</i> , 2015, 21, 18566-18570.	1.7	13
124	A Highly Selective and Sensitive Chemiluminescent Probe for Real-Time Monitoring of Hydrogen Peroxide in Cells and Animals. <i>Angewandte Chemie</i> , 2020, 132, 14432-14436.	1.6	13
125	Antibody-Catalyzed Asymmetric Intramolecular Michael Addition of Aldehydes and Ketones to Yield the Disfavored Cis-Product. <i>Journal of the American Chemical Society</i> , 2005, 127, 13104-13105.	6.6	12
126	Switching Futile β -Quinone to Efficient Reactive Oxygen Species Generator: Ubiquitin-Specific Protease-2 Inhibition, Electrocatalysis, and Quantification. <i>ChemBioChem</i> , 2017, 18, 1683-1687.	1.3	12

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127	A new visual screening assay for catalytic antibodies with retro-aldol retro-Michael activity. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2007, 17, 1172-1175.	1.0	11
128	Emissive Enhancement of the Singlet Oxygen Chemiluminescence Probe after Binding to Bovine Serum Albumin. <i>Molecules</i> , 2019, 24, 2422.	1.7	11
129	New Phenol Benzoate Cyanine Picolinium Salt Photoacid Excited-State Proton Transfer. <i>Journal of Physical Chemistry A</i> , 2017, 121, 3079-3087.	1.1	10
130	Chemiluminescence molecular probe with a linear chain reaction amplification mechanism. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 1389-1394.	1.5	9
131	Synthesis and Evaluation of Ubiquitinâ€“Dioxetane Conjugate as a Chemiluminescent Probe for Monitoring Deubiquitinase Activity. <i>Bioconjugate Chemistry</i> , 2021, 32, 2141-2147.	1.8	9
132	Excited-State Proton Transfer of Phenol Cyanine Picolinium Photoacid. <i>ACS Omega</i> , 2018, 3, 2058-2073.	1.6	8
133	A Functional Chemiluminescent Probe for in Vivo Imaging of Natural Killer Cell Activity Against Tumours. <i>Angewandte Chemie</i> , 2021, 133, 5763-5767.	1.6	8
134	Excited-State Proton Transfer and Formation of the Excited Tautomer of 3-Hydroxypyridine-Dipicolinium Cyanine Dye. <i>Journal of Physical Chemistry A</i> , 2016, 120, 6184-6199.	1.1	7
135	DENDRIMER-BASED DEVICES: ANTENNAE AND AMPLIFIERS. , 2005, , 245-279.		6
136	Dormant acceptor activation of 10-hydroxybenzoquinoline derivatives by excited-state intramolecular proton transfer. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2016, 326, 89-99.	2.0	6
137	Universal Access to Protease Chemiluminescent Probes through Solid-Phase Synthesis. <i>Bioconjugate Chemistry</i> , 2021, 32, 2134-2140.	1.8	6
138	Modular Access to Diverse Chemiluminescent Dioxetaneâ€“Luminophores through Convergent Synthesis. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	6
139	Chloro benzoate cyanine picolinium photoacid excited-state proton transfer to water. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2017, 349, 230-237.	2.0	5
140	Personalized Tissue Implants: Personalized Hydrogels for Engineering Diverse Fully Autologous Tissue Implants (<i>Adv. Mater.</i> 1/2019). <i>Advanced Materials</i> , 2019, 31, 1970007.	11.1	4
141	The photoacidity of phenol chloro benzoate cyanine picolinium salt photoacid in alkanols. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2018, 353, 546-556.	2.0	3
142	Excited-State Proton Transfer to H ₂ O in Mixtures of CH ₃ CNâ€“H ₂ O of a Superphotoacid, Chlorobenzoate Phenol Cyanine Picolinium (CBCyP). <i>Journal of Physical Chemistry A</i> , 2018, 122, 8126-8135.	1.1	3
143	Cover Picture:â€œCascade-Release Dendrimersâ€“Liberate All End Groups upon a Single Triggering Event in the Dendritic Core / Self-Immolative Dendrimers (<i>Angew. Chem. Int. Ed.</i> 37/2003). <i>Angewandte Chemie - International Edition</i> , 2003, 42, 4411-4411.	7.2	1
144	Medicinal Potential of Catalytic Antibodies. , 2005, , 284-303.		1

#	ARTICLE	IF	CITATIONS
145	Self-Immolative Dendrimers Based on Quinone Methides. , 0 , 119-161.		1
146	Catalytic Enantioselective Retro-Aldol Reactions: Kinetic Resolution of β^2 -Hydroxyketones with Aldolase Antibodies. , 1998, 37, 2481.		1
147	Foreword by the Guest Editors: Dendrimers and Related Compounds. Israel Journal of Chemistry, 2009, 49, NA-NA.	1.0	0
148	The 75th Annual Meeting of the Israel Chemical Society, Tel Aviv, David Intercontinental Hotel, January 25-26, 2010. Israel Journal of Chemistry, 2010, 50, 255-261.	1.0	0
149	Enzyme-activated, Chemiluminescent Siderophore-Dioxetane Probes Enable the Selective and Highly Sensitive Detection of Bacterial ESKAPE Pathogens. Angewandte Chemie, 0, , .	1.6	0
150	Catalytic Antibodies for Selective Cancer Chemotherapy. , 0 , 111-136.		0