

# Doron Shabat

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

152  
papers

7,586  
citations

51  
h-index

81  
g-index

157  
ext. papers

8,627  
ext. citations

9  
avg, IF

6.43  
L-index

#	Paper	IF	Citations
152	Enzyme-activated, Chemiluminescent Siderophore-Dioxetane Probes Enable the Selective and Highly Sensitive Detection of Bacterial ESKAPE Pathogens.. <i>Angewandte Chemie - International Edition</i> , <b>2022</b> ,	16.4	3
151	Turn on chemiluminescence-based probes for monitoring tyrosinase activity in conjunction with biological thiols. <i>Chemical Communications</i> , <b>2021</b> , 57, 11386-11389	5.8	6
150	Synthesis and Evaluation of Ubiquitin-Dioxetane Conjugate as a Chemiluminescent Probe for Monitoring Deubiquitinase Activity. <i>Bioconjugate Chemistry</i> , <b>2021</b> , 32, 2141-2147	6.3	3
149	Injectable Nanocomposite Implants Reduce ROS Accumulation and Improve Heart Function after Infarction. <i>Advanced Science</i> , <b>2021</b> , e2102919	13.6	8
148	Chemiluminescent Protease Probe for Rapid, Sensitive, and Inexpensive Detection of Live. <i>ACS Central Science</i> , <b>2021</b> , 7, 803-814	16.8	7
147	Chemiluminescence Detection of Hydrogen Sulfide Release by $\beta$ -Lactamase-Catalyzed $\beta$ -Lactam Biodegradation: Unprecedented Pathway for Monitoring $\beta$ -Lactam Antibiotic Bacterial Resistance. <i>Bioconjugate Chemistry</i> , <b>2021</b> , 32, 991-1000	6.3	4
146	A Functional Chemiluminescent Probe for in Vivo Imaging of Natural Killer Cell Activity Against Tumours. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 5699-5703	16.4	19
145	A Functional Chemiluminescent Probe for in Vivo Imaging of Natural Killer Cell Activity Against Tumours. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 5763-5767	3.6	0
144	Universal Access to Protease Chemiluminescent Probes through Solid-Phase Synthesis. <i>Bioconjugate Chemistry</i> , <b>2021</b> , 32, 2134-2140	6.3	1
143	Self-Immolative Polymers: An Emerging Class of Degradable Materials with Distinct Disassembly Profiles.. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 21177-21188	16.4	8
142	A Highly Selective and Sensitive Chemiluminescent Probe for Real-Time Monitoring of Hydrogen Peroxide in Cells and Animals. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 14326-14330	16.4	51
141	A Highly Selective and Sensitive Chemiluminescent Probe for Real-Time Monitoring of Hydrogen Peroxide in Cells and Animals. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 14432-14436	3.6	6
140	Chemiluminescent Carbapenem-Based Molecular Probe for Detection of Carbapenemase Activity in Live Bacteria. <i>Chemistry - A European Journal</i> , <b>2020</b> , 26, 3647-3652	4.8	19
139	Powerful Chemiluminescence Probe for Rapid Detection of Prostate Specific Antigen Proteolytic Activity: Forensic Identification of Human Semen. <i>Bioconjugate Chemistry</i> , <b>2020</b> , 31, 2488-2493	6.3	14
138	Near-Infrared Chemiluminescent Probe for Real-Time Monitoring Singlet Oxygen in Cells and Mice Model. <i>ACS Sensors</i> , <b>2020</b> , 5, 3158-3164	9.2	16
137	Activity-Based Optical Sensing Enabled by Self-Immolative Scaffolds: Monitoring of Release Events by Fluorescence or Chemiluminescence Output. <i>Accounts of Chemical Research</i> , <b>2019</b> , 52, 2806-2817	24.3	46
136	Rapid chemiexcitation of phenoxy-dioxetane luminophores yields ultrasensitive chemiluminescence assays. <i>Chemical Science</i> , <b>2019</b> , 10, 1380-1385	9.4	37

135	Chemiluminescence molecular probe with a linear chain reaction amplification mechanism. <i>Organic and Biomolecular Chemistry</i> , <b>2019</b> , 17, 1389-1394	3.9	7
134	Light emission enhancement by supramolecular complexation of chemiluminescence probes designed for bioimaging. <i>Chemical Science</i> , <b>2019</b> , 10, 2945-2955	9.4	33
133	Ultrasensitive Detection of Salmonella and Listeria monocytogenes by Small-Molecule Chemiluminescence Probes. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 10361-10367	16.4	37
132	Recent Advances and Challenges in Luminescent Imaging: Bright Outlook for Chemiluminescence of Dioxetanes in Water. <i>ACS Central Science</i> , <b>2019</b> , 5, 949-959	16.8	78
131	Personalized Tissue Implants: Personalized Hydrogels for Engineering Diverse Fully Autologous Tissue Implants (Adv. Mater. 1/2019). <i>Advanced Materials</i> , <b>2019</b> , 31, 1970007	24	3
130	Emissive Enhancement of the Singlet Oxygen Chemiluminescence Probe after Binding to Bovine Serum Albumin. <i>Molecules</i> , <b>2019</b> , 24,	4.8	7
129	Ultrasensitive Detection of Salmonella and Listeria monocytogenes by Small-Molecule Chemiluminescence Probes. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 10469-10475	3.6	10
128	Persistent Chemiluminescent Glow of Phenoxy-dioxetane Luminophore Enables Unique CRET-Based Detection of Proteases. <i>Chemistry - A European Journal</i> , <b>2019</b> , 25, 14679-14687	4.8	15
127	Chemiluminescent Probe for the In Vitro and In Vivo Imaging of Cancers Over-Expressing NQO1. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 1753-1757	3.6	20
126	Chemiluminescent Probe for the In Vitro and In Vivo Imaging of Cancers Over-Expressing NQO1. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 1739-1743	16.4	65
125	Personalized Hydrogels for Engineering Diverse Fully Autologous Tissue Implants. <i>Advanced Materials</i> , <b>2019</b> , 31, e1803895	24	64
124	Excited-State Proton Transfer of Phenol Cyanine Picolinium Photoacid. <i>ACS Omega</i> , <b>2018</b> , 3, 2058-2073	3.9	5
123	Chemiluminescent Probes for Activity-Based Sensing of Formaldehyde Released from Folate Degradation in Living Mice. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 7508-7512	16.4	103
122	Self-Propagating Amplification Reactions for Molecular Detection and Signal Amplification: Advantages, Pitfalls, and Challenges. <i>Journal of Physical Organic Chemistry</i> , <b>2018</b> , 31, e3827	2.1	24
121	Chemiluminescent Probes for Activity-Based Sensing of Formaldehyde Released from Folate Degradation in Living Mice. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 7630-7634	3.6	41
120	Chemiluminescence molecular probe with intrinsic auto-inductive amplification: incorporation of chemiexcitation in a quinone-methide elimination. <i>Chemical Communications</i> , <b>2018</b> , 54, 2655-2658	5.8	16
119	The emergence of aqueous chemiluminescence: new promising class of phenoxy 1,2-dioxetane luminophores. <i>Chemical Communications</i> , <b>2018</b> , 54, 2073-2085	5.8	84
118	ortho-Chlorination of phenoxy 1,2-dioxetane yields superior chemiluminescent probes for in vitro and in vivo imaging. <i>Organic and Biomolecular Chemistry</i> , <b>2018</b> , 16, 1708-1712	3.9	35

117	The photoacidity of phenol chloro benzoate cyanine picolinium salt photoacid in alkanols. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2018</b> , 353, 546-556	4.7	2
116	Image-guided surgery using near-infrared Turn-ON fluorescent nanoprobe for precise detection of tumor margins. <i>Theranostics</i> , <b>2018</b> , 8, 3437-3460	12.1	39
115	Excited-State Proton Transfer to HO in Mixtures of CHCN-HO of a Superphotoacid, Chlorobenzoate Phenol Cyanine Picolinium (CBCyP). <i>Journal of Physical Chemistry A</i> , <b>2018</b> , 122, 8126-8135	2.8	1
114	UV Light-Responsive Peptide-Based Supramolecular Hydrogel for Controlled Drug Delivery. <i>Macromolecular Rapid Communications</i> , <b>2018</b> , 39, e1800588	4.8	49
113	Direct Real-Time Monitoring of Prodrug Activation by Chemiluminescence. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 9033-9037	16.4	52
112	Direct Real-Time Monitoring of Prodrug Activation by Chemiluminescence. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 9171-9175	3.6	11
111	Opening a Gateway for Chemiluminescence Cell Imaging: Distinctive Methodology for Design of Bright Chemiluminescent Dioxetane Probes. <i>ACS Central Science</i> , <b>2017</b> , 3, 349-358	16.8	143
110	New Phenol Benzoate Cyanine Picolinium Salt Photoacid Excited-State Proton Transfer. <i>Journal of Physical Chemistry A</i> , <b>2017</b> , 121, 3079-3087	2.8	7
109	A Glowing Trajectory between Bio- and Chemiluminescence: From Luciferin-Based Probes to Triggerable Dioxetanes. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 16454-16463	16.4	97
108	Unprecedented Sensitivity in a Probe for Monitoring Cathepsin B: Chemiluminescence Microscopy Cell-Imaging of a Natively Expressed Enzyme. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 15839-15844	3.6	44
107	Unprecedented Sensitivity in a Probe for Monitoring Cathepsin B: Chemiluminescence Microscopy Cell-Imaging of a Natively Expressed Enzyme. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 15633-15638	16.4	82
106	Chloro benzoate cyanine picolinium photoacid excited-state proton transfer to water. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2017</b> , 349, 230-237	4.7	4
105	Near-Infrared Dioxetane Luminophores with Direct Chemiluminescence Emission Mode. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 13243-13248	16.4	138
104	A Highly Efficient Chemiluminescence Probe for the Detection of Singlet Oxygen in Living Cells. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 11955-11958	3.6	23
103	A Highly Efficient Chemiluminescence Probe for the Detection of Singlet Oxygen in Living Cells. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 11793-11796	16.4	84
102	Switching Futile para-Quinone to Efficient Reactive Oxygen Species Generator: Ubiquitin-Specific Protease-2 Inhibition, Electrocatalysis, and Quantification. <i>ChemBioChem</i> , <b>2017</b> , 18, 1683-1687	3.8	12
101	Self-Immolative Chemiluminescence Polymers: Innate Assimilation of Chemiexcitation in a Domino-like Depolymerization. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 10002-10008	16.4	74
100	Bio- und Chemilumineszenz in der biologischen Bildgebung: von Luciferin-basierten Sonden zu aktivierbaren Dioxetanen. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 16674-16683	3.6	28

99	Dendritic, Oligomeric, and Polymeric Self-Immolative Molecular Amplification. <i>Chemical Reviews</i> , <b>2016</b> , 116, 1309-52	68.1	162
98	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> , <b>2016</b> , 138, 13438-13446	16.4	136
97	Excited-State Proton Transfer and Formation of the Excited Tautomer of 3-Hydroxypyridine-Dipicolinium Cyanine Dye. <i>Journal of Physical Chemistry A</i> , <b>2016</b> , 120, 6184-99	2.8	3
96	A novel quenched fluorescent activity-based probe reveals caspase-3 activity in the endoplasmic reticulum during apoptosis. <i>Chemical Science</i> , <b>2016</b> , 7, 1322-1337	9.4	33
95	Dormant acceptor activation of 10-hydroxybenzoquinoline derivatives by excited-state intramolecular proton transfer. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2016</b> , 326, 89-99	4.7	5
94	Super-Resolution Genome Mapping in Silicon Nanochannels. <i>ACS Nano</i> , <b>2016</b> , 10, 9823-9830	16.7	40
93	Tagging the Untaggable: A Difluoroalkyl-Sulfinate Ketone-Based Reagent for Direct C-H Functionalization of Bioactive Heteroarenes. <i>Bioconjugate Chemistry</i> , <b>2016</b> , 27, 1965-71	6.3	6
92	Enhancement of fluorescent properties of near-infrared dyes using clickable oligoglycerol dendrons. <i>Organic and Biomolecular Chemistry</i> , <b>2015</b> , 13, 4727-32	3.9	17
91	NIR Fluorogenic Dye as a Modular Platform for Prodrug Assembly: Real-Time in vivo Monitoring of Drug Release. <i>ChemMedChem</i> , <b>2015</b> , 10, 999-1007	3.7	38
90	Molecular Insight into Long-Wavelength Fluorogenic Dye Design: Hydrogen Bond Induces Activation of a Dormant Acceptor. <i>Chemistry - A European Journal</i> , <b>2015</b> , 21, 18566-70	4.8	13
89	Quinone-methide species, a gateway to functional molecular systems: from self-immolative dendrimers to long-wavelength fluorescent dyes. <i>Accounts of Chemical Research</i> , <b>2014</b> , 47, 2970-84	24.3	141
88	Tumor targeting profiling of hyaluronan-coated lipid based-nanoparticles. <i>Nanoscale</i> , <b>2014</b> , 6, 3742-52	7.7	48
87	Spectroscopic quantification of 5-hydroxymethylcytosine in genomic DNA. <i>Analytical Chemistry</i> , <b>2014</b> , 86, 8231-7	7.8	27
86	Comprehensive study of ultrafast excited-state proton transfer in water and D2O providing the missing RO(-)⋯H(+) ion-pair fingerprint. <i>Journal of Physical Chemistry A</i> , <b>2014</b> , 118, 4425-43	2.8	25
85	Excited-state proton transfer from quinone-cyanine 9 to protic polar-solvent mixtures. <i>Journal of Physical Chemistry A</i> , <b>2014</b> , 118, 1832-40	2.8	20
84	Synthesis and use of QCy7-derived modular probes for the detection and imaging of biologically relevant analytes. <i>Nature Protocols</i> , <b>2014</b> , 9, 27-36	18.8	56
83	Polymeric nanotheranostics for real-time non-invasive optical imaging of breast cancer progression and drug release. <i>Cancer Letters</i> , <b>2014</b> , 352, 81-9	9.9	43
82	Modulation of drug resistance in ovarian adenocarcinoma using chemotherapy entrapped in hyaluronan-grafted nanoparticle clusters. <i>ACS Nano</i> , <b>2014</b> , 8, 2183-95	16.7	74

81	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> , <b>2014</b> , 24, 2453-8	2.9	36
80	Hydroquinone-quinone oxidation by molecular oxygen: a simple tool for signal amplification through auto-generation of hydrogen peroxide. <i>Organic and Biomolecular Chemistry</i> , <b>2013</b> , 11, 5074-8	3.9	17
79	Enzyme-mediated nutrient release: glucose-precursor activation by $\beta$ -galactosidase to induce bacterial growth. <i>Organic and Biomolecular Chemistry</i> , <b>2013</b> , 11, 2903-10	3.9	12
78	Ultrafast excited-state proton transfer to the solvent occurs on a hundred-femtosecond time-scale. <i>Journal of Physical Chemistry A</i> , <b>2013</b> , 117, 3405-13	2.8	51
77	New repertoire of 'donor-two-acceptor' NIR fluorogenic dyes. <i>Bioorganic and Medicinal Chemistry</i> , <b>2013</b> , 21, 3602-8	3.4	22
76	"Donor-two-acceptor" dye design: a distinct gateway to NIR fluorescence. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 20412-20	16.4	172
75	Exponential diagnostic signal amplification via dendritic chain reaction: the dendritic effect of a self-immolative amplifier component. <i>New Journal of Chemistry</i> , <b>2012</b> , 36, 386-393	3.6	32
74	Ultrafast proton transfer of three novel quinone cyanine photoacids. <i>Journal of Physical Chemistry A</i> , <b>2012</b> , 116, 7353-63	2.8	29
73	A simple FRET-based modular design for diagnostic probes. <i>Organic and Biomolecular Chemistry</i> , <b>2012</b> , 10, 710-5	3.9	33
72	Modular theranostic prodrug based on a FRET-activated self-immolative linker. <i>Journal of Controlled Release</i> , <b>2012</b> , 164, 276-82	11.7	35
71	Ultrafast excited-state intermolecular proton transfer of cyanine fluorochrome dyes. <i>Journal of Physical Chemistry A</i> , <b>2012</b> , 116, 85-92	2.8	35
70	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> , <b>2011</b> , 133, 10960-5	16.4	299
69	Autoinductive exponential signal amplification: a diagnostic probe for direct detection of fluoride. <i>Chemistry - A European Journal</i> , <b>2011</b> , 17, 12123-8	4.8	52
68	Self-immolative dendrimers: A distinctive approach to molecular amplification. <i>Soft Matter</i> , <b>2010</b> , 6, 1073-6	3.6	65
67	Two-component dendritic chain reactions: experiment and theory. <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 3945-52	16.4	71
66	Real-time monitoring of drug release. <i>Chemical Communications</i> , <b>2010</b> , 46, 553-5	5.8	118
65	Sulfhydryl-based dendritic chain reaction. <i>Chemical Communications</i> , <b>2010</b> , 46, 6575-7	5.8	42
64	The 75th Annual Meeting of the Israel Chemical Society, Tel Aviv, David Intercontinental Hotel, January 25-26, 2010. <i>Israel Journal of Chemistry</i> , <b>2010</b> , 50, 255-261	3.4	

63	Dendritic chain reaction: responsive release of hydrogen peroxide upon generation and enzymatic oxidation of methanol. <i>Bioorganic and Medicinal Chemistry</i> , <b>2010</b> , 18, 3643-7	3.4	35
62	Targeting bone metastases with a bispecific anticancer and antiangiogenic polymer-alendronate-taxane conjugate. <i>Angewandte Chemie - International Edition</i> , <b>2009</b> , 48, 2949-54	16.4	148
61	Enhanced cytotoxicity of a polymer-drug conjugate with triple payload of paclitaxel. <i>Bioorganic and Medicinal Chemistry</i> , <b>2009</b> , 17, 4327-35	3.4	68
60	Enzymatic activation of hydrophobic self-immolative dendrimers: the effect of reporters with ionizable functional groups. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2009</b> , 19, 3959-62	2.9	21
59	Activity-linked labeling of enzymes by self-immolative polymers. <i>Bioconjugate Chemistry</i> , <b>2009</b> , 20, 1783-91	3.1	67
58	A novel antitumor prodrug platform designed to be cleaved by the endoprotease legumain. <i>Bioconjugate Chemistry</i> , <b>2009</b> , 20, 500-10	6.3	57
57	Dendritic chain reaction. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 9934-6	16.4	112
56	The pyridinone-methide elimination. <i>Organic and Biomolecular Chemistry</i> , <b>2009</b> , 7, 4825-8	3.9	22
55	The azaquinone-methide elimination: comparison study of 1,6- and 1,4-eliminations under physiological conditions. <i>Organic and Biomolecular Chemistry</i> , <b>2008</b> , 6, 2669-72	3.9	48
54	Self-immolative polymers. <i>Journal of the American Chemical Society</i> , <b>2008</b> , 130, 5434-5	16.4	265
53	Self-immolative comb-polymers: multiple-release of side-reporters by a single stimulus event. <i>Chemistry - A European Journal</i> , <b>2008</b> , 14, 6857-61	4.8	86
52	Chemotherapeutic bone-targeted bisphosphonate prodrugs with hydrolytic mode of activation. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2008</b> , 18, 816-20	2.9	37
51	Self-immolative dendritic probe for direct detection of triacetone triperoxide. <i>Chemical Communications</i> , <b>2008</b> , 5701-3	5.8	83
50	Substituent-dependent disassembly of self-immolative dendrimers. <i>New Journal of Chemistry</i> , <b>2007</b> , 31, 1307	3.6	28
49	Controlled assembly of peptide nanotubes triggered by enzymatic activation of self-immolative dendrimers. <i>ChemBioChem</i> , <b>2007</b> , 8, 859-62	3.8	39
48	Receiver-amplifier, self-immolative dendritic device. <i>Chemistry - A European Journal</i> , <b>2007</b> , 13, 812-21	4.8	54
47	Single-triggered AB6 self-immolative dendritic amplifiers. <i>Chemistry - A European Journal</i> , <b>2007</b> , 13, 4523-8	4.8	41
46	Remarkable drug-release enhancement with an elimination-based AB3 self-immolative dendritic amplifier. <i>Bioorganic and Medicinal Chemistry</i> , <b>2007</b> , 15, 3720-7	3.4	58

45	Molecular probe for enzymatic activity with dual output. <i>Bioorganic and Medicinal Chemistry</i> , <b>2007</b> , 15, 7318-24	3.4	36
44	A new visual screening assay for catalytic antibodies with retro-aldol retro-Michael activity. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2007</b> , 17, 1172-5	2.9	10
43	A tale of switched functions: from cyclooxygenase inhibition to M-channel modulation in new diphenylamine derivatives. <i>PLoS ONE</i> , <b>2007</b> , 2, e1332	3.7	29
42	Pre- and postsynaptic activation of M-channels by a novel opener dampens neuronal firing and transmitter release. <i>Journal of Neurophysiology</i> , <b>2007</b> , 97, 283-95	3.2	65
41	Targeting antibacterial agents by using drug-carrying filamentous bacteriophages. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2006</b> , 50, 2087-97	5.9	111
40	Enzymatic activation of second-generation dendritic prodrugs: Conjugation of self-immolative dendrimers with poly(ethylene glycol) via click chemistry. <i>Bioconjugate Chemistry</i> , <b>2006</b> , 17, 1432-40	6.3	120
39	Amperometric assay for aldolase activity: antibody-catalyzed ferrocenylamine formation. <i>Analytical Chemistry</i> , <b>2006</b> , 78, 1459-61	7.8	18
38	Self-immolative dendrimers as novel drug delivery platforms. <i>Journal of Polymer Science Part A</i> , <b>2006</b> , 44, 1569-1578	2.5	77
37	Antibody-catalyzed asymmetric intramolecular Michael addition of aldehydes and ketones to yield the disfavored cis-product. <i>Journal of the American Chemical Society</i> , <b>2005</b> , 127, 13104-5	16.4	10
36	Medicinal Potential of Catalytic Antibodies <b>2005</b> , 284-303		1
35	DENDRIMER-BASED DEVICES: ANTENNAE AND AMPLIFIERS <b>2005</b> , 245-279		5
34	Some new aspects of dendrimer applications. <i>Journal of Luminescence</i> , <b>2005</b> , 111, 315-325	3.8	20
33	Single-triggered trimeric prodrugs. <i>Angewandte Chemie - International Edition</i> , <b>2005</b> , 44, 716-20	16.4	141
32	Prodrug activation gated by a molecular "OR" logic trigger. <i>Angewandte Chemie - International Edition</i> , <b>2005</b> , 44, 4378-81	16.4	127
31	Single-Triggered Trimeric Prodrugs. <i>Angewandte Chemie</i> , <b>2005</b> , 117, 726-730	3.6	29
30	Prodrug Activation Gated by a Molecular DRLogic Trigger. <i>Angewandte Chemie</i> , <b>2005</b> , 117, 4452-4455	3.6	32
29	Meclofenamic acid and diclofenac, novel templates of KCNQ2/Q3 potassium channel openers, depress cortical neuron activity and exhibit anticonvulsant properties. <i>Molecular Pharmacology</i> , <b>2005</b> , 67, 1053-66	4.3	170
28	Chemical adaptor systems. <i>Chemistry - A European Journal</i> , <b>2004</b> , 10, 2626-34	4.8	41



27	Bioactivation of carbamate-based 20(S)-camptothecin prodrugs. <i>Bioorganic and Medicinal Chemistry</i> , <b>2004</b> , 12, 1859-66	3.4	46
26	New chemical adaptor unit designed to release a drug from a tumor targeting device by enzymatic triggering. <i>Bioorganic and Medicinal Chemistry</i> , <b>2004</b> , 12, 1853-8	3.4	21
25	Self-immolative dendrimer biodegradability by multi-enzymatic triggering. <i>Chemical Communications</i> , <b>2004</b> , 1614-5	5.8	61
24	Bioactivation of self-immolative dendritic prodrugs by catalytic antibody 38C2. <i>Journal of the American Chemical Society</i> , <b>2004</b> , 126, 1726-31	16.4	185
23	Self-Immolative Dendrimers. <i>Angewandte Chemie</i> , <b>2003</b> , 115, 4632-4637	3.6	54
22	A Chemical Adaptor System Designed To Link a Tumor-Targeting Device with a Prodrug and an Enzymatic Trigger. <i>Angewandte Chemie</i> , <b>2003</b> , 115, 341-346	3.6	7
21	Titelbild: Cascade-Release Dendrimers Liberate All End Groups upon a Single Triggering Event in the Dendritic Core / Self-Immolative Dendrimers (Angew. Chem. 37/2003). <i>Angewandte Chemie</i> , <b>2003</b> , 115, 4547-4547	3.6	
20	Self-immolative dendrimers. <i>Angewandte Chemie - International Edition</i> , <b>2003</b> , 42, 4494-9	16.4	266
19	A chemical adaptor system designed to link a tumor-targeting device with a prodrug and an enzymatic trigger. <i>Angewandte Chemie - International Edition</i> , <b>2003</b> , 42, 327-32	16.4	56
18	Cover Picture: Cascade-Release Dendrimers Liberate All End Groups upon a Single Triggering Event in the Dendritic Core / Self-Immolative Dendrimers (Angew. Chem. Int. Ed. 37/2003). <i>Angewandte Chemie - International Edition</i> , <b>2003</b> , 42, 4411-4411	16.4	1
17	A humanized aldolase antibody for selective chemotherapy and adaptor immunotherapy. <i>Journal of Molecular Biology</i> , <b>2003</b> , 332, 889-99	6.5	71
16	Synthesis, hydrolytic activation and cytotoxicity of etoposide prodrugs. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2002</b> , 12, 557-60	2.9	21
15	Synthesis and characterization of a catalytic antibody-HPMA copolymer-Conjugate as a tool for tumor selective prodrug activation. <i>Bioorganic and Medicinal Chemistry</i> , <b>2002</b> , 10, 3023-9	3.4	35
14	A short enantioselective synthesis of 1-deoxy-l-xylulose by antibody catalysis. <i>Tetrahedron Letters</i> , <b>1999</b> , 40, 1437-1440	2	35
13	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> , <b>1999</b> , 121, 7283-7291	16.4	91
12	Katalytische enantioselektive Retro-Aldolreaktion: kinetische Racematspaltung von $\beta$ -Hydroxyketonen durch Aldolase-Antikörper. <i>Angewandte Chemie</i> , <b>1998</b> , 110, 2609-2612	3.6	23
11	Enantioselective Total Synthesis of Some Brevicomins Using Aldolase Antibody 38C2. <i>Chemistry - A European Journal</i> , <b>1998</b> , 4, 881-885	4.8	68
10	Catalytic Enantioselective Retro-Aldol Reactions: Kinetic Resolution of $\beta$ -Hydroxyketones with Aldolase Antibodies. <i>Angewandte Chemie - International Edition</i> , <b>1998</b> , 37, 2481-2484	16.4	82

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- 8 Catalytic Enantioselective Retro-Aldol Reactions: Kinetic Resolution of  $\beta$ -Hydroxyketones with Aldolase Antibodies **1998**, 37, 2481 1
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- 5 Antibody catalysis of a reaction otherwise strongly disfavoured in water. *Nature*, **1995**, 374, 143-6 50.4 37
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