

# Mark Bradley

## List of Publications by Year in descending order

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173  
papers

6,325  
citations

76326  
40  
h-index

85541  
71  
g-index

177  
all docs

177  
docs citations

177  
times ranked

6758  
citing authors

#	ARTICLE	IF	CITATIONS
1	Linkers and Cleavage Strategies in Solid-Phase Organic Synthesis and Combinatorial Chemistry. Chemical Reviews, 2000, 100, 2091-2158.	47.7	491
2	Palladium-mediated intracellular chemistry. Nature Chemistry, 2011, 3, 239-243.	13.6	445
3	Extracellular palladium-catalysed dealkylation of 5-fluoro-1-propargyl-uracil as a bioorthogonally activated prodrug approach. Nature Communications, 2014, 5, 3277.	12.8	264
4	Development and Bioorthogonal Activation of Palladium-Labile Prodrugs of Gemcitabine. Journal of Medicinal Chemistry, 2014, 57, 5395-5404.	6.4	169
5	Copper Catalysis in Living Systems and In Situ Drug Synthesis. Angewandte Chemie - International Edition, 2016, 55, 15662-15666.	13.8	142
6	Solid-Phase Dendrimer Synthesis and the Generation of Super-High-Loading Resin Beads for Combinatorial Chemistry. Journal of Organic Chemistry, 1997, 62, 4902-4903.	3.2	131
7	Surface Charge-Dependent Cellular Uptake of Polystyrene Nanoparticles. Nanomaterials, 2018, 8, 1028.	4.1	124
8	Developing High-Fidelity Hepatotoxicity Models From Pluripotent Stem Cells. Stem Cells Translational Medicine, 2013, 2, 505-509.	3.3	122
9	A thermoresponsive and chemically defined hydrogel for long-term culture of human embryonic stem cells. Nature Communications, 2013, 4, 1335.	12.8	112
10	Full Orthogonality between Dde and Fmoc: The Direct Synthesis of PNA~Peptide Conjugates. Organic Letters, 2004, 6, 1127-1129.	4.6	110
11	In Cell Dual Drug Synthesis by Cancer-Targeting Palladium Catalysts. Angewandte Chemie - International Edition, 2017, 56, 6864-6868.	13.8	109
12	Radical polymerization inside living cells. Nature Chemistry, 2019, 11, 578-586.	13.6	100
13	Palladium-mediated chemistry in living cells. Current Opinion in Chemical Biology, 2014, 21, 128-135.	6.1	99
14	Unbiased screening of polymer libraries to define novel substrates for functional hepatocytes with inducible drug metabolism. Stem Cell Research, 2011, 6, 92-102.	0.7	95
15	Versatile Biocompatible Polymer Hydrogels: Scaffolds for Cell Growth. Angewandte Chemie - International Edition, 2009, 48, 978-982.	13.8	93
16	Design of Photosensitizing Agents for Targeted Antimicrobial Photodynamic Therapy. Molecules, 2020, 25, 5239.	3.8	93
17	Switching on prodrugs using radiotherapy. Nature Chemistry, 2021, 13, 805-810.	13.6	91
18	3D human liver tissue from pluripotent stem cells displays stable phenotype in vitro and supports compromised liver function in vivo. Archives of Toxicology, 2018, 92, 3117-3129.	4.2	89

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19	Biodegradable pH-responsive hydrogels for controlled dual-drug release. <i>Journal of Materials Chemistry B</i> , 2018, 6, 510-517.	5.8	86
20	Polymer microarrays for cellular adhesion. <i>Chemical Communications</i> , 2006, , 2118.	4.1	83
21	pH sensing in living cells using fluorescent microspheres. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2008, 18, 313-317.	2.2	79
22	A labelled-ubiquicidin antimicrobial peptide for immediate in situ optical detection of live bacteria in human alveolar lung tissue. <i>Chemical Science</i> , 2015, 6, 6971-6979.	7.4	72
23	Strategies for cell manipulation and skeletal tissue engineering using high-throughput polymer blend formulation and microarray techniques. <i>Biomaterials</i> , 2010, 31, 2216-2228.	11.4	71
24	Optical imaging of bacterial infections. <i>Clinical and Translational Imaging</i> , 2016, 4, 163-174.	2.1	70
25	Microsphere-Based Real-Time Calcium Sensing. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 5472-5474.	13.8	66
26	Solid-phase dendrimer synthesis. <i>Biopolymers</i> , 1998, 47, 381-396.	2.4	62
27	Inkjet fabrication of hydrogel microarrays using in situ nanolitre-scale polymerisation. <i>Chemical Communications</i> , 2008, , 1317.	4.1	62
28	Microarrays of over 2000 hydrogels – Identification of substrates for cellular trapping and thermally triggered release. <i>Biomaterials</i> , 2009, 30, 6193-6201.	11.4	59
29	Peptides for optical medical imaging and steps towards therapy. <i>Bioorganic and Medicinal Chemistry</i> , 2018, 26, 2816-2826.	3.0	59
30	In situ identification of Gram-negative bacteria in human lungs using a topical fluorescent peptide targeting lipid A. <i>Science Translational Medicine</i> , 2018, 10, .	12.4	59
31	A microarray approach to the identification of polyurethanes for the isolation of human skeletal progenitor cells and augmentation of skeletal cell growth. <i>Biomaterials</i> , 2009, 30, 1045-1055.	11.4	54
32	Protecting Groups in Solid-Phase Organic Synthesis. <i>ACS Combinatorial Science</i> , 2002, 4, 1-16.	3.3	50
33	Comparison of Resin and Solution Screening Methodologies in Combinatorial Chemistry and the Identification of a 100 nM Inhibitor of Trypanothione Reductase. <i>ACS Combinatorial Science</i> , 1999, 1, 326-332.	3.3	48
34	Effect of spacer length on the performance of peptide-based electrochemical biosensors for protease detection. <i>Sensors and Actuators B: Chemical</i> , 2018, 255, 3040-3046.	7.8	48
35	Screening an Inverted Peptide Library in Water with a Guanidinium-Based Tweezer Receptor. <i>Journal of Organic Chemistry</i> , 1998, 63, 8696-8703.	3.2	47
36	Tetrazine-mediated bioorthogonal prodrug – prodrug activation. <i>Chemical Science</i> , 2018, 9, 7198-7203.	7.4	46

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37	Palladium-mediated in situ synthesis of an anticancer agent. Chemical Communications, 2016, 52, 14212-14214.	4.1	45
38	Methylene blue not ferrocene: Optimal reporters for electrochemical detection of protease activity. Biosensors and Bioelectronics, 2016, 84, 82-88.	10.1	45
39	Searching for the Optimal Fluorophore to Label Antimicrobial Peptides. ACS Combinatorial Science, 2016, 18, 689-696.	3.8	43
40	Copper Catalysis in Living Systems and In Situ Drug Synthesis. Angewandte Chemie, 2016, 128, 15891-15895.	2.0	43
41	Tetrazine-Responsive Self-Immolative Linkers. ChemBioChem, 2017, 18, 91-95.	2.6	42
42	A Conserved Oct4/POU-Dependent Network Links Adhesion and Migration to Progenitor Maintenance. Current Biology, 2013, 23, 2233-2244.	3.9	41
43	Intracellular delivery of a catalytic organometallic complex. Chemical Communications, 2017, 53, 6712-6715.	4.1	40
44	Influence of Resin Cross-Linking on Solid-Phase Chemistry. ACS Combinatorial Science, 2001, 3, 9-15.	3.3	39
45	High-loading resin beads for solid phase synthesis using triple branching symmetrical dendrimers. Chemical Communications, 2000, , 283-284.	4.1	38
46	High-Throughput Evaluation of the Wettability of Polymer Libraries. Macromolecular Rapid Communications, 2004, 25, 366-370.	3.9	38
47	A hydrogel-based optical fibre fluorescent pH sensor for observing lung tumor tissue acidity. Analytica Chimica Acta, 2020, 1134, 136-143.	5.4	38
48	Solid-phase construction: high efficiency dendrimer synthesis using AB3 isocyanate-type monomers. Tetrahedron, 2003, 59, 3945-3953.	1.9	37
49	Combinatorial libraries "from solution to 2D microarrays. Chemical Communications, 2005, , 1384-1386.	4.1	36
50	Cleavage and Analysis of Material from Single Resin Beads. Journal of Organic Chemistry, 1998, 63, 6430-6431.	3.2	35
51	Surface charge determines the lung inflammogenicity: A study with polystyrene nanoparticles. Nanotoxicology, 2016, 10, 1-8.	3.0	35
52	Tetrazine-Mediated Postpolymerization Modification. Macromolecules, 2016, 49, 5438-5443.	4.8	34
53	Two-color widefield fluorescence microendoscopy enables multiplexed molecular imaging in the alveolar space of human lung tissue. Journal of Biomedical Optics, 2016, 21, 1.	2.6	33
54	Octahedral molybdenum cluster as a photoactive antimicrobial additive to a fluoroplastic. Materials Science and Engineering C, 2019, 105, 110150.	7.3	33

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55	A cooperative polymer-DNA microarray approach to biomaterial investigation. Lab on A Chip, 2009, 9, 397-403.	6.0	32
56	Inâ€Cell Dual Drug Synthesis by Cancerâ€Targeting Palladium Catalysts. Angewandte Chemie, 2017, 129, 6968-6972.	2.0	32
57	A Dual Killing Strategy: Photocatalytic Generation of Singlet Oxygen with Concomitant Pt<sup>IV</sup> Prodrug Activation. Angewandte Chemie - International Edition, 2019, 58, 14189-14192.	13.8	31
58	Polymyxin-based photosensitizer for the potent and selective killing of Gram-negative bacteria. Chemical Communications, 2020, 56, 3757-3760.	4.1	31
59	Solid-Phase Total Synthesis of Oscillamide Y and Analogues. Journal of Organic Chemistry, 1997, 62, 6199-6203.	3.2	30
60	The Emerging Role of Tetrazines in Drugâ€Activation Chemistries. ChemBioChem, 2019, 20, 872-876.	2.6	30
61	Solid phase synthesis of aryl-ether dendrimers. Chemical Communications, 2001, , 697-698.	4.1	29
62	Highly specific, multi-branched fluorescent reporters for analysis of human neutrophil elastase. Organic and Biomolecular Chemistry, 2013, 11, 4414.	2.8	29
63	Peptide probes for proteases â€ innovations and applications for monitoring proteolytic activity. Chemical Society Reviews, 2022, 51, 2081-2120.	38.1	29
64	Fluorescence Enhancement through Enzymatic Cleavage of Internally Quenched Dendritic Peptides: A Sensitive Assay for the AspN Endoproteinase. Angewandte Chemie - International Edition, 2002, 41, 3233-3236.	13.8	28
65	Dendrimers and combinatorial chemistryâ€tools for fluorescent enhancement in protease assays. Tetrahedron, 2004, 60, 8721-8728.	1.9	28
66	Colonising new frontiersâ€microarrays reveal biofilm modulating polymers. Journal of Materials Chemistry, 2011, 21, 96-101.	6.7	28
67	Long term mesenchymal stem cell culture on a defined synthetic substrate with enzyme free passaging. Biomaterials, 2014, 35, 5998-6005.	11.4	28
68	Highâ€Density Polymer Microarrays: Identifying Synthetic Polymers that Control Human Embryonic Stem Cell Growth. Advanced Healthcare Materials, 2014, 3, 848-853.	7.6	26
69	Bacteria repelling poly(methylmethacrylate-co-dimethylacrylamide) coatings for biomedical devices. Journal of Materials Chemistry B, 2014, 2, 6723-6729.	5.8	26
70	Optical molecular imaging of lysyl oxidase activity â€ detection of active fibrogenesis in human lung tissue. Chemical Science, 2015, 6, 4946-4953.	7.4	26
71	An Approach to the High-Throughput Fabrication of Glycopolymer Microarrays through Thiolâ€Ene Chemistry. Macromolecules, 2017, 50, 6026-6031.	4.8	26
72	Electrochemical sensing of human neutrophil elastase and polymorphonuclear neutrophil activity. Biosensors and Bioelectronics, 2018, 119, 209-214.	10.1	26

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73	Novel Biopolymers to Enhance Endothelialisation of Intra€vascular Devices. Advanced Healthcare Materials, 2012, 1, 646-656.	7.6	25
74	Bioorthogonal Swarming: In Situ Generation of Dendrimers. Journal of the American Chemical Society, 2020, 142, 21615-21621.	13.7	25
75	Full spectrum fluorescence lifetime imaging with 0.5â€nm spectral and 50â€ps temporal resolution. Nature Communications, 2021, 12, 6616.	12.8	25
76	Controlled Intracellular Polymerization for Cancer Treatment. JACS Au, 2022, 2, 579-589.	7.9	24
77	Substrate Specificity of Trypanothione Reductase. FEBS Journal, 1997, 243, 690-694.	0.2	23
78	Solid-Phase Synthesis of 2,4,6-Triaminopyrimidines. Chemistry - A European Journal, 1999, 5, 3450-3458.	3.3	23
79	A soft 3D polyacrylate hydrogel recapitulates the cartilage niche and allows growth-factor free tissue engineering of human articular cartilage. Acta Biomaterialia, 2019, 90, 146-156.	8.3	23
80	Miniaturisation of a peptide-based electrochemical protease activity sensor using platinum microelectrodes. Analyst, The, 2020, 145, 975-982.	3.5	23
81	Discovery and Evaluation of a Functional Ternary Polymer Blend for Bone Repair: Translation from a Microarray to a Clinical Model. Advanced Functional Materials, 2013, 23, 2850-2862.	14.9	22
82	Novel bead-based platform for direct detection of unlabelled nucleic acids through Single Nucleobase Labelling. Talanta, 2016, 161, 489-496.	5.5	22
83	Enhanced avidity from a multivalent fluorescent antimicrobial peptide enables pathogen detection in a human lung model. Scientific Reports, 2019, 9, 8422.	3.3	22
84	Polymer Supported Directed Differentiation Reveals a Unique Gene Signature Predicting Stable Hepatocyte Performance. Advanced Healthcare Materials, 2015, 4, 1820-1825.	7.6	20
85	A Synthetic Polymer Scaffold Reveals the Self-Maintenance Strategies of Rat Glioma Stem Cells by Organization of the Advantageous Niche. Stem Cells, 2016, 34, 1151-1162.	3.2	20
86	Synthesis and characterization of biodegradable poly(ether-ester) urethane acrylates for controlled drug release. Materials Science and Engineering C, 2017, 74, 270-278.	7.3	20
87	Large animal<i>in vivo</i>evaluation of a binary blend polymer scaffold for skeletal tissue-engineering strategies; translational issues. Journal of Tissue Engineering and Regenerative Medicine, 2017, 11, 1065-1076.	2.7	20
88	Super-silent FRET Sensor Enables Live Cell Imaging and Flow Cytometric Stratification of Intracellular Serine Protease Activity in Neutrophils. Scientific Reports, 2018, 8, 13490.	3.3	20
89	A pH cleavable linker for zone diffusion assays and single bead solution screens in combinatorial chemistry. Chemical Communications, 1997, , 1397-1398.	4.1	19
90	Arrays of 3D double-network hydrogels for the high-throughput discovery of materials with enhanced physical and biological properties. Acta Biomaterialia, 2016, 34, 104-112.	8.3	19

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91	Solid-Phase Synthesis of Amidine-Based GP IIb-IIIa Antagonists on Dendrimer Resin Beads. <i>European Journal of Organic Chemistry</i> , 2000, 2000, 3887-3891.	2.4	18
92	Responsive polymeric nanoparticles for controlled drug delivery. <i>Polymer International</i> , 2017, 66, 1756-1764.	3.1	18
93	A fluorogenic peptide-based smartprobe for the detection of neutrophil extracellular traps and inflammation. <i>Chemical Communications</i> , 2021, 57, 97-100.	4.1	18
94	Synthetic methods for polyamine linkers and their application to combinatorial chemistry. <i>Molecular Diversity</i> , 1997, 2, 165-170.	3.9	17
95	A Tetrazine-Labile Vinyl Ether Benzyloxycarbonyl Protecting Group (VeZ): An Orthogonal Tool for Solid-Phase Peptide Chemistry. <i>Organic Letters</i> , 2018, 20, 3170-3173.	4.6	17
96	Low-cost high sensitivity pulsed endomicroscopy to visualize tricolor optical signatures. <i>Journal of Biomedical Optics</i> , 2018, 23, 1.	2.6	17
97	Poly(ethylmethacrylate-co-diethylaminoethyl acrylate) coating improves endothelial re-population, bio-mechanical and anti-thrombogenic properties of decellularized carotid arteries for blood vessel replacement. <i>Scientific Reports</i> , 2017, 7, 407.	3.3	16
98	A tripod anchor offers improved robustness of peptide-based electrochemical biosensors. <i>Sensors and Actuators B: Chemical</i> , 2018, 274, 662-667.	7.8	16
99	Dual contribution of surface charge and protein-binding affinity to the cytotoxicity of polystyrene nanoparticles in nonphagocytic A549 cells and phagocytic THP-1 cells. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2016, 79, 925-937.	2.3	15
100	Nanoparticle “switch-on” by tetrazine triggering. <i>Chemical Communications</i> , 2016, 52, 11223-11226.	4.1	15
101	Combinatorial delivery of bioactive molecules by a nanoparticle-decorated and functionalized biodegradable scaffold. <i>Journal of Materials Chemistry B</i> , 2018, 6, 4437-4445.	5.8	15
102	Polymer Microarrays for the Discovery and Optimization of Robust Optical-Fiber-Based pH Sensors. <i>ACS Combinatorial Science</i> , 2019, 21, 417-424.	3.8	15
103	Solitary pulmonary nodule imaging approaches and the role of optical fibre-based technologies. <i>European Respiratory Journal</i> , 2021, 57, 2002537.	6.7	15
104	Electrodrugs: an electrochemical prodrug activation strategy. <i>Chemical Communications</i> , 2018, 54, 9242-9245.	4.1	14
105	Molecular detection of Gram-positive bacteria in the human lung through an optical fiber-based endoscope. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2021, 48, 800-807.	6.4	14
106	Dynamic chemistry for enzyme-free allele discrimination in genotyping by MALDI-TOF mass spectrometry. <i>Analytical Methods</i> , 2011, 3, 1656.	2.7	13
107	Palladium-mediated bioorthogonal conjugation of dual-functionalised nanoparticles and their cellular delivery. <i>Chemical Science</i> , 2013, 4, 425-431.	7.4	13
108	Fortified interpenetrating polymers “bacteria resistant coatings for medical devices. <i>Journal of Materials Chemistry B</i> , 2016, 4, 5405-5411.	5.8	13

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109	Highly selective and rapidly activatable fluorogenic Thrombin sensors and application in human lung tissue. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 4344-4350.	2.8	13
110	Controlled core-to-core photo-polymerisation of fabrication of an optical fibre-based pH sensor. <i>Analyst</i> , 2017, 142, 3569-3572.	3.5	13
111	High-speed dual color fluorescence lifetime endomicroscopy for highly-multiplexed pulmonary diagnostic applications and detection of labeled bacteria. <i>Biomedical Optics Express</i> , 2019, 10, 181.	2.9	13
112	Acrylate-based materials for heart valve scaffold engineering. <i>Biomaterials Science</i> , 2018, 6, 154-167.	5.4	12
113	Supramolecular assembly induced chiral interface for electrochemical recognition of tryptophan enantiomers. <i>Analytical Methods</i> , 2021, 13, 2011-2020.	2.7	12
114	A high-throughput polymer microarray approach for identifying defined substrates for mesenchymal stem cells. <i>Biomaterials Science</i> , 2014, 2, 1683-1692.	5.4	11
115	New substrates for stem cell control. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2018, 373, 20170223.	4.0	11
116	Bimodal fluorogenic sensing of matrix proteolytic signatures in lung cancer. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 8056-8063.	2.8	11
117	Long-term feeder-free culture of human pancreatic progenitors on fibronectin or matrix-free polymer potentiates $\beta$ cell differentiation. <i>Stem Cell Reports</i> , 2022, 17, 1215-1228.	4.8	11
118	Combinatorial Chemistry and the Grid. , 0, , 945-962.		10
119	High fidelity fibre-based physiological sensing deep in tissue. <i>Scientific Reports</i> , 2019, 9, 7713.	3.3	10
120	Rapid fabrication and screening of tailored functional 3D biomaterials. <i>Materials Science and Engineering C</i> , 2020, 108, 110489.	7.3	10
121	Synthesis of Polyethylene Glycol Diacrylate/Acrylic Acid Nanoparticles as Nanocarriers for the Controlled Delivery of Doxorubicin to Colorectal Cancer Cells. <i>Pharmaceutics</i> , 2022, 14, 479.	4.5	10
122	Maleimide-functionalized carboxymethyl cellulose: A novel mucoadhesive polymer for transmucosal drug delivery. <i>Carbohydrate Polymers</i> , 2022, 288, 119368.	10.2	10
123	Ketoester methacrylate resin, secondary amine clean-up in the presence of primary amines. <i>Journal of the Chemical Society, Perkin Transactions 1</i> , 2001, , 1947-1952.	1.3	9
124	Far red and NIR dye-peptoid conjugates for efficient immune cell labelling and tracking in preclinical models. <i>MedChemComm</i> , 2011, 2, 1050.	3.4	9
125	Photo-controlled one-pot strategy for the synthesis of asymmetric three-arm star polymers. <i>Polymer Chemistry</i> , 2019, 10, 4769-4773.	3.9	9
126	Dyeing fungi: amphotericin B based fluorescent probes for multiplexed imaging. <i>Chemical Communications</i> , 2021, 57, 1899-1902.	4.1	9



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127	Optical Detection of Distal Lung Enzyme Activity in Human Inflammatory Lung Disease. BME Frontiers, 2021, 2021, .	4.5	9
128	In vivo application of an implantable tri-anchored methylene blue-based electrochemical pH sensor. Biosensors and Bioelectronics, 2022, 197, 113728.	10.1	9
129	Programmable and Flexible Fluorochromic Polymer Microarrays for Information Storage. ACS Applied Materials & Interfaces, 2022, 14, 27107-27117.	8.0	9
130	Hybridization of Electrodeposited Magnetic Multilayer Micropillars. IEEE Transactions on Magnetics, 2007, 43, 2439-2441.	2.1	8
131	Separating the isomers—Efficient synthesis of the N-hydroxysuccinimide esters of 5 and 6-carboxyfluorescein diacetate and 5 and 6-carboxyrhodamine B. Bioorganic and Medicinal Chemistry Letters, 2014, 24, 3186-3188.	2.2	8
132	Flow and Microwave-Assisted Synthesis of <i>N</i>-(Triethylene glycol)glycine Oligomers and Their Remarkable Cellular Transporter Activities. Bioconjugate Chemistry, 2015, 26, 1759-1765.	3.6	8
133	Thermoresponsive hydrogel maintains the mouse embryonic stem cell “pluripotency phenotype. Biomaterials Science, 2015, 3, 1371-1375.	5.4	8
134	Rapid Polymer Conjugation Strategies for the Generation of pH-Responsive, Cancer Targeting, Polymeric Nanoparticles. Biomacromolecules, 2018, 19, 2721-2730.	5.4	8
135	Thermoresponsive Nanospheres with Entrapped Fluorescent Conjugated Polymers for Cellular Labeling. ACS Applied Bio Materials, 2018, 1, 888-893.	4.6	8
136	Solid-phase synthesis of biocompatible N-heterocyclic carbene—Pd catalysts using a sub-monomer approach. Organic and Biomolecular Chemistry, 2019, 17, 5533-5537.	2.8	8
137	Poly-Epsilon-Lysine Hydrogels with Dynamic Crosslinking Facilitates Cell Proliferation. Materials, 2020, 13, 3851.	2.9	8
138	Time-Resolved Spectroscopy of Fluorescence Quenching in Optical Fibre-Based pH Sensors. Sensors, 2020, 20, 6115.	3.8	8
139	Safe and efficient in vitro and in vivo gene delivery: tripodal cationic lipids with programmed biodegradability. Journal of Materials Chemistry, 2011, 21, 2154-2158.	6.7	7
140	Maintaining Hepatic Stem Cell Gene Expression on Biological and Synthetic Substrata. BioResearch Open Access, 2012, 1, 50-53.	2.6	7
141	Optical Screening of Novel Bacteria-specific Probes on <i>Ex Vivo</i> Human Lung Tissue by Confocal Laser Endomicroscopy. Journal of Visualized Experiments, 2017, , .	0.3	7
142	Optical Molecular Imaging of Inflammatory Cells in Interventional Medicine—An Emerging Strategy. Frontiers in Oncology, 2019, 9, 882.	2.8	7
143	Fluorogenic Substrates for In Situ Monitoring of Caspase-3 Activity in Live Cells. PLoS ONE, 2016, 11, e0153209.	2.5	7
144	In vivo and in vitro effects of mutagenesis of active site tyrosine residues of mercuric reductase. FEBS Letters, 1994, 355, 220-222.	2.8	6

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145	A safety-catch linker for amine release under biologically compatible conditions. , 2000, 5, 25-34.		6
146	Enhancing <i>Cryptosporidium parvum</i> recovery rates for improved water monitoring. <i>Chemosphere</i> , 2016, 143, 57-63.	8.2	6
147	A Dual Killing Strategy: Photocatalytic Generation of Singlet Oxygen with Concomitant Pt IV Prodrug Activation. <i>Angewandte Chemie</i> , 2019, 131, 14327-14330.	2.0	6
148	Light-controlled, living radical polymerisation mediated by fluorophore-conjugated RAFT agents. <i>Polymer</i> , 2021, 226, 123840.	3.8	6
149	Synthesis and optimization of a reactive oxygen species responsive cellular delivery system. <i>New Journal of Chemistry</i> , 2017, 41, 2392-2400.	2.8	5
150	Multifunctional, histidine-tagged polymers: antibody conjugation and signal amplification. <i>Chemical Communications</i> , 2020, 56, 13856-13859.	4.1	5
151	A matrix metalloproteinase activation probe for painting human tumours. <i>Chemical Communications</i> , 2020, 56, 9962-9965.	4.1	5
152	<scp>Washâ€free</scp>, <scp>peptideâ€based</scp> fluorogenic probes for microbial imaging. <i>Peptide Science</i> , 2021, 113, e24167.	1.8	5
153	Combinatorial ECM Arrays Identify Cooperative Roles for Matricellular Proteins in Enhancing the Generation of TH+ Neurons From Human Pluripotent Cells. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 755406.	3.7	5
154	Solid-phase synthesis of oxo(mercaptoacetylglcylglycylglycine)rhenate(v). <i>Chemical Communications</i> , 2001, , 837-838.	4.1	4
155	Functionalization of Poly(propylene) Fabric with 4-Vinylpyridine,N,N-Dimethylacrylamide and Styrene by <sup>3</sup> -Radiation-Induced Grafting in an Aqueous Environment. <i>Macromolecular Materials and Engineering</i> , 2006, 291, 1083-1097.	3.6	4
156	Exploratory Use of Fluorescent SmartProbes for the Rapid Detection of Microbial Isolates Causing Corneal Ulcer. <i>American Journal of Ophthalmology</i> , 2020, 219, 341-350.	3.3	4
157	Attaching palladium catalysts to antibodies. <i>Bioorganic and Medicinal Chemistry</i> , 2021, 44, 116298.	3.0	4
158	Near-Infrared-Emitting Hemicyanines and Their Photodynamic Killing of Cancer Cells. <i>ACS Applied Bio Materials</i> , 2021, 4, 8503-8508.	4.6	4
159	The Combinatorial Centre of Excellence - A Unique Industrial & Academic Partnership. <i>Current Medicinal Chemistry</i> , 2002, 9, 2173-2177.	2.4	3
160	Eliminating caspase-7 and cathepsin B cross-reactivity on fluorogenic caspase-3 substrates. <i>Molecular BioSystems</i> , 2016, 12, 693-696.	2.9	3
161	Synthetic Polymers Provide a Robust Substrate for Functional Neuron Culture. <i>Advanced Healthcare Materials</i> , 2020, 9, e1901347.	7.6	3
162	Self-healing multilayer films for simultaneous release of hydrophilic and hydrophobic drugs. <i>Soft Materials</i> , 2021, 19, 254-262.	1.7	3

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163	Stabilizing Hepatocellular Phenotype Using Optimized Synthetic Surfaces. Journal of Visualized Experiments, 2014, , 51723.	0.3	2
164	Tuning the emission properties of a fluorescent polymer using a polymer microarray approach â€“ identification of an optothermo responsive polymer. Chemical Communications, 2016, 52, 10521-10524.	4.1	2
165	Understanding Polymerâ€™Cell Attachment. Macromolecular Bioscience, 2016, 16, 1864-1872.	4.1	2
166	Red-Shifted Environmental Fluorophores and Their Use for the Detection of Gram-Negative Bacteria. Chemosensors, 2021, 9, 117.	3.6	2
167	Renin Gene Editing in Zebrafish. FASEB Journal, 2019, 33, lb535.	0.5	2
168	Polyurethane: Stable Cell Phenotype Requires Plasticity: Polymer Supported Directed Differentiation Reveals a Unique Gene Signature Predicting Stable Hepatocyte Performance (Adv. Healthcare Mater.) Tj ETQq0 0 0 7.8 BT /Overclock 10 Tf	0.0	0
169	High-throughput Identification of Bacteria Repellent Polymers for Medical Devices. Journal of Visualized Experiments, 2016, , .	0.3	1
170	Solid-Phase Synthesis of Fluorescent Probes for Plasma Membrane Labelling. Molecules, 2021, 26, 354.	3.8	1
171	Solidâ€™phase dendrimer synthesis. Biopolymers, 1998, 47, 381-396.	2.4	1
172	Rapid detection of major Gram-positive pathogens in ocular specimens using a novel fluorescent vancomycin-based probe. Sensors & Diagnostics, 0, , .	3.8	1
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