

# Christopher D Spicer

## List of Publications by Year in descending order

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27  
papers

3,022  
citations

394421

19  
h-index

526287

27  
g-index

32  
all docs

32  
docs citations

32  
times ranked

5212  
citing authors

#	ARTICLE	IF	CITATIONS
1	Selective chemical protein modification. <i>Nature Communications</i> , 2014, 5, 4740.	12.8	790
2	Designing logical codon reassignment – Expanding the chemistry in biology. <i>Chemical Science</i> , 2015, 6, 50-69.	7.4	399
3	Peptide and protein nanoparticle conjugates: versatile platforms for biomedical applications. <i>Chemical Society Reviews</i> , 2018, 47, 3574-3620.	38.1	352
4	Hydrogel scaffolds for tissue engineering: the importance of polymer choice. <i>Polymer Chemistry</i> , 2020, 11, 184-219.	3.9	331
5	Palladium-Mediated Cell-Surface Labeling. <i>Journal of the American Chemical Society</i> , 2012, 134, 800-803.	13.7	225
6	Achieving Controlled Biomolecule–Biomaterial Conjugation. <i>Chemical Reviews</i> , 2018, 118, 7702-7743.	47.7	165
7	Palladium-mediated site-selective Suzuki–Miyaura protein modification at genetically encoded aryl halides. <i>Chemical Communications</i> , 2011, 47, 1698.	4.1	114
8	Self-Liganded Suzuki–Miyaura Coupling for Site-Selective Protein PEGylation. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 3916-3921.	13.8	98
9	Rewriting the bacterial glycocalyx via Suzuki–Miyaura cross-coupling. <i>Chemical Communications</i> , 2013, 49, 2747.	4.1	66
10	Duplex-Specific Nuclease-Amplified Detection of MicroRNA Using Compact Quantum Dot–DNA Conjugates. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 28290-28300.	8.0	59
11	Enhanced articular cartilage by human mesenchymal stem cells in enzymatically mediated transiently RGDs-functionalized collagen-mimetic hydrogels. <i>Acta Biomaterialia</i> , 2017, 51, 75-88.	8.3	49
12	A Novel Class of Injectable Bioceramics That Glue Tissues and Biomaterials. <i>Materials</i> , 2018, 11, 2492.	2.9	42
13	Palladium-mediated enzyme activation suggests multiphase initiation of glycogenesis. <i>Nature</i> , 2018, 563, 235-240.	27.8	42
14	Selective etching of injection molded zirconia-toughened alumina: Towards osseointegrated and antibacterial ceramic implants. <i>Acta Biomaterialia</i> , 2016, 46, 308-322.	8.3	35
15	Facet-Dependent Interactions of Islet Amyloid Polypeptide with Gold Nanoparticles: Implications for Fibril Formation and Peptide-Induced Lipid Membrane Disruption. <i>Chemistry of Materials</i> , 2017, 29, 1550-1560.	6.7	35
16	An Electroactive Oligo–EDOT Platform for Neural Tissue Engineering. <i>Advanced Functional Materials</i> , 2020, 30, 2003710.	14.9	32
17	Bio-inspired Maillard-Like reactions enable a simple and sensitive assay for colorimetric detection of methylglyoxal. <i>Chemical Communications</i> , 2015, 51, 11026-11029.	4.1	27
18	Photochemical Methods for Peptide Macrocyclisation. <i>Chemistry - A European Journal</i> , 2021, 27, 69-88.	3.3	22

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19	Synthesis of Hetero-bifunctional, End-Capped Oligo-EDOT Derivatives. <i>CheM</i> , 2017, 2, 125-138.	11.7	21
20	Tuneable peptide cross-linked nanogels for enzyme-triggered protein delivery. <i>Journal of Materials Chemistry B</i> , 2020, 8, 8894-8907.	5.8	21
21	Electrospun aniline-tetramer-co-polycaprolactone fibers for conductive, biodegradable scaffolds. <i>MRS Communications</i> , 2017, 7, 375-382.	1.8	17
22	Synthesis of Phospho-Amino Acid Analogues as Tissue Adhesive Cement Additives. <i>ACS Central Science</i> , 2020, 6, 226-231.	11.3	14
23	Probing amylin fibrillation at an early stage via a tetracysteine-recognising fluorophore. <i>Talanta</i> , 2017, 173, 44-50.	5.5	12
24	High-Throughput Peptide Derivatization toward Supramolecular Diversification in Microtiter Plates. <i>ACS Nano</i> , 2021, 15, 4034-4044.	14.6	11
25	Shape-controlled synthesis and <i>in situ</i> characterisation of anisotropic Au nanomaterials using liquid cell transmission electron microscopy. <i>Nanoscale</i> , 2019, 11, 16801-16809.	5.6	9
26	Self-Assembly and Bioconjugation in Drug Delivery. <i>Advanced Drug Delivery Reviews</i> , 2021, 174, 628-629.	13.7	3
27	Palladium-Mediated Site-Selective Suzuki-Miyaura Protein Modification. , 2013, , 1656-1663.		0