

# Glenn A Burley

## List of Publications by Year in descending order

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89  
papers

3,305  
citations

201674

27  
h-index

155660

55  
g-index

100  
all docs

100  
docs citations

100  
times ranked

4139  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | A Chemo- and Regioselective Tandem [3 + 2]Heteroannulation Strategy for Carbazole Synthesis: Combining Two Mechanistically Distinct Bond-Forming Processes. <i>Journal of Organic Chemistry</i> , 2022, 87, 4603-4616.                             | 3.2  | 4         |
| 2  | A Phenotypic Approach for the Identification of New Molecules for Targeted Protein Degradation Applications. <i>SLAS Discovery</i> , 2021, 26, 885-895.  | 2.7  | 1         |
| 3  | Direct, Late-Stage Mono-N-arylation of Pentamidine: Method Development, Mechanistic Insight, and Expedient Access to Novel Antiparasitics against Diamidine-Resistant Parasites. <i>ChemMedChem</i> , 2021, 16, 3396-3401.                         | 3.2  | 2         |
| 4  | <i>Mycobacterium tuberculosis</i> Decaprenylphosphoryl- $\beta$ -D-ribose Oxidase Inhibitors: Expedient Reconstruction of Suboptimal Hits into a Series with Potent in Vivo Activity. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 2557-2576. | 6.4  | 22        |
| 5  | Glasgow Early Treatment Arm Favirpiravir (GETAFIX) for adults with early stage COVID-19: A structured summary of a study protocol for a randomised controlled trial. <i>Trials</i> , 2020, 21, 935.  | 1.6  | 7         |
| 6  | Contra-thermodynamic E $\rightarrow$ Z isomerization of cinnamamides via selective energy transfer catalysis. <i>Tetrahedron</i> , 2020, 76, 131198.   | 1.9  | 10        |
| 7  | Biocatalytic Alkylation Cascades: Recent Advances and Future Opportunities for Late-Stage Functionalization. <i>ChemBioChem</i> , 2020, 21, 2890-2897.   | 2.6  | 29        |
| 8  | Two-dimensional infrared spectroscopy: an emerging analytical tool?. <i>Analyst</i> , The, 2020, 145, 2014-2024.   | 3.5  | 23        |
| 9  | Identification of 2-((2,3-dihydrobenzo[b][1,4]dioxin-6-yl)amino)-N-phenylpropanamides as a novel class of potent DprE1 inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2020, 30, 127192.   | 2.2  | 7         |
| 10 | Molecular Construction of Sulfonamide Antisense Oligonucleotides. <i>Journal of Organic Chemistry</i> , 2019, 84, 10635-10648.   | 3.2  | 4         |
| 11 | An investigation of targeted inhibition of transcription factor activity with pyrrole imidazole polyamide (PA) in chronic myeloid leukemia (CML) blast crisis cells. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2019, 29, 2622-2625.      | 2.2  | 5         |
| 12 | Whisky tasting using a bimetallic nanoplasmonic tongue. <i>Nanoscale</i> , 2019, 11, 15216-15223.  | 5.6  | 23        |
| 13 | S-Adenosyl Methionine Cofactor Modifications Enhance the Biocatalytic Repertoire of Small Molecule C-Alkylation. <i>Angewandte Chemie</i> , 2019, 131, 17747-17752.  | 2.0  | 12        |
| 14 | S-Adenosyl Methionine Cofactor Modifications Enhance the Biocatalytic Repertoire of Small Molecule C-Alkylation. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 17583-17588.   | 13.8 | 30        |
| 15 | Sequence-Selective Minor Groove Recognition of a DNA Duplex Containing Synthetic Genetic Components. <i>Journal of the American Chemical Society</i> , 2019, 141, 9555-9563.   | 13.7 | 12        |
| 16 | Splice-switching small molecules: A new therapeutic approach to modulate gene expression. <i>Methods</i> , 2019, 167, 134-142.   | 3.8  | 8         |
| 17 | PROTAC-Mediated Degradation of Bruton's Tyrosine Kinase Is Inhibited by Covalent Binding. <i>ACS Chemical Biology</i> , 2019, 14, 342-347.   | 3.4  | 122       |
| 18 | Structural and Kinetic Profiling of Allosteric Modulation of Duplex DNA Induced by DNA-Binding Polyamide Analogues. <i>Chemistry - A European Journal</i> , 2019, 25, 2757-2763.   | 3.3  | 8         |

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|----|---|------|-----------|
| 19 | The mechanisms of a mammalian splicing enhancer. <i>Nucleic Acids Research</i> , 2018, 46, 2145-2158.   | 14.5 | 30        |
| 20 | Structural basis of DNA duplex distortion induced by thiazole-containing hairpin polyamides. <i>Nucleic Acids Research</i> , 2018, 46, 42-53.   | 14.5 | 15        |
| 21 | Specific G-quadruplex ligands modulate the alternative splicing of Bcl-X. <i>Nucleic Acids Research</i> , 2018, 46, 886-896.  | 14.5 | 64        |
| 22 | Oxidative $\text{H}^2\text{-C}^{\alpha}\text{H}$ sulfonylation of cyclic amines. <i>Chemical Science</i> , 2018, 9, 2295-2300.  | 7.4  | 66        |
| 23 | Effect of oligomer length on vibrational coupling and energy relaxation in double-stranded DNA. <i>Chemical Physics</i> , 2018, 512, 154-164.   | 1.9  | 16        |
| 24 | Investigation of a minor groove-binding polyamide targeted to E2F1 transcription factor in chronic myeloid leukaemia (CML) cells. <i>Blood Cells, Molecules, and Diseases</i> , 2018, 69, 119-122.  | 1.4  | 5         |
| 25 | A flow platform for degradation-free CuAAC bioconjugation. <i>Nature Communications</i> , 2018, 9, 4021.  | 12.8 | 30        |
| 26 | Organic Semiconductor Laser Platform for the Detection of DNA by AgNP Plasmonic Enhancement. <i>Langmuir</i> , 2018, 34, 14766-14773.   | 3.5  | 5         |
| 27 | Applications of 2D-IR Spectroscopy to Probe the Structural Dynamics of DNA. , 2018, , 77-100.   |      | 6         |
| 28 | Structural and Functional Basis of C-Methylation of Coumarin Scaffolds by NovO. <i>ACS Chemical Biology</i> , 2017, 12, 374-379.  | 3.4  | 19        |
| 29 | Determining the Origin of Rate-Independent Chemoselectivity in CuAAC Reactions: An Alkyne-Specific Shift in Rate-Determining Step. <i>Angewandte Chemie</i> , 2017, 129, 3362-3366.   | 2.0  | 11        |
| 30 | Reversible DNA micro-patterning using the fluoros effect. <i>Chemical Communications</i> , 2017, 53, 3094-3097.   | 4.1  | 11        |
| 31 | 2D-IR Spectroscopy Shows that Optimized DNA Minor Groove Binding of Hoechst33258 Follows an Induced Fit Model. <i>Journal of Physical Chemistry B</i> , 2017, 121, 1295-1303.   | 2.6  | 27        |
| 32 | Determining the Origin of Rate-Independent Chemoselectivity in CuAAC Reactions: An Alkyne-Specific Shift in Rate-Determining Step. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 3314-3318.  | 13.8 | 32        |
| 33 | Transition-Metal-Free Amine Oxidation: A Chemoselective Strategy for the Late-Stage Formation of Lactams. <i>Organic Letters</i> , 2017, 19, 870-873.   | 4.6  | 51        |
| 34 | Synthetic biological approaches for RNA labelling and imaging: design principles and future opportunities. <i>Current Opinion in Biotechnology</i> , 2017, 48, 153-158.   | 6.6  | 9         |
| 35 | Strategy for Conditional Orthogonal Sequential CuAAC Reactions Using a Protected Aromatic Ynamine. <i>Journal of Organic Chemistry</i> , 2017, 82, 5461-5468.   | 3.2  | 17        |
| 36 | A Tandem Enzymatic $\text{S}^2\text{-C}^{\alpha}\text{M}$ Methylation Process: Coupling in Situ $\text{S}^{\alpha}\text{-Adenosyl-L-Scp}^{\alpha}\text{-C}^{\alpha}\text{M}$ Methionine Formation with Methyl Transfer. <i>ChemBioChem</i> , 2017, 18, 992-995. | 2.6  | 27        |

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|----|---|------|-----------|
| 37 | Ultrafast 2D-IR and optical Kerr effect spectroscopy reveal the impact of duplex melting on the structural dynamics of DNA. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 10333-10342. | 2.8  | 24        |
| 38 | Modular, Step-Efficient Palladium-Catalyzed Cross-Coupling Strategy To Access C6-Heteroaryl 2-Aminopurine Ribonucleosides. <i>Organic Letters</i> , 2017, 19, 3759-3762.                        | 4.6  | 14        |
| 39 | Identification of G-quadruplexes in long functional RNAs using 7-deazaguanine RNA. <i>Nature Chemical Biology</i> , 2017, 13, 18-20.  | 8.0  | 59        |
| 40 | Structural Basis of the Mispairing of an Artificially Expanded Genetic Information System. <i>CheM</i> , 2016, 1, 946-958.  | 11.7 | 17        |
| 41 | Long-Range Vibrational Dynamics Are Directed by Watson-Crick Base Pairing in Duplex DNA. <i>Journal of Physical Chemistry B</i> , 2016, 120, 4009-4018.   | 2.6  | 28        |
| 42 | DNA-directed spatial assembly of photosynthetic light-harvesting proteins. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 1359-1362.   | 2.8  | 7         |
| 43 | Chemoselective Sequential Click Ligations Directed by Enhanced Reactivity of an Aromatic Ynamine. <i>Organic Letters</i> , 2016, 18, 1694-1697.   | 4.6  | 25        |
| 44 | Organic Semiconductor Laser Biosensor: Design and Performance Discussion. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2016, 22, 6-14.                                       | 2.9  | 16        |
| 45 | Pyrrole-Imidazole Polyamides: Manual Solid-Phase Synthesis. <i>Current Protocols in Nucleic Acid Chemistry</i> , 2015, 63, 8.10.1-8.10.41.  | 0.5  | 3         |
| 46 | (Non-) Covalently Modified DNA with Novel Functions. , 2015, , 1-77.  |      | 1         |
| 47 | Pyrrole-Imidazole Polyamides: Automated Solid-Phase Synthesis. <i>Current Protocols in Nucleic Acid Chemistry</i> , 2015, 63, 8.11.1-8.11.14.   | 0.5  | 3         |
| 48 | SERS enhancement of silver nanoparticles prepared by a template-directed triazole ligand strategy. <i>Chemical Communications</i> , 2015, 51, 13028-13031.                                      | 4.1  | 7         |
| 49 | Fully Automated Synthesis of DNA-Binding Py-Im Polyamides Using a Triphosgene Coupling Strategy. <i>Organic Letters</i> , 2015, 17, 158-161.  | 4.6  | 18        |
| 50 | Malaria Protein Kinase CK2 (PfCK2) Shows Novel Mechanisms of Regulation. <i>PLoS ONE</i> , 2014, 9, e85391.   | 2.5  | 14        |
| 51 | A Targeted Oligonucleotide Enhancer of SMN2 Exon 7 Splicing Forms Competing Quadruplex and Protein Complexes in Functional Conditions. <i>Cell Reports</i> , 2014, 9, 193-205.                  | 6.4  | 12        |
| 52 | Defining the Structural Parameters of Triazole Ligands in the Templated Synthesis of Silver Nanoparticles. <i>European Journal of Inorganic Chemistry</i> , 2014, 2014, 4886-4895.              | 2.0  | 3         |
| 53 | Hybrid organic semiconductor lasers for bio-molecular sensing. <i>Faraday Discussions</i> , 2014, 174, 369-381.   | 3.2  | 4         |
| 54 | An oligofluorene truxene based distributed feedback laser for biosensing applications. <i>Biosensors and Bioelectronics</i> , 2014, 54, 679-686.  | 10.1 | 24        |

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|----|---|------|-----------|
| 55 | Distributed feedback laser for biosensing applications. , 2014, 2014, 3703-6.   |      | 0         |
| 56 | Highly Efficient Synthesis of DNA-Binding Polyamides Using a Convergent Fragment-Based Approach. Organic Letters, 2014, 16, 4654-4657.  | 4.6  | 12        |
| 57 | Spontaneous Membrane-Translocating Peptide Adsorption at Silica Surfaces: A Molecular Dynamics Study. Journal of Physical Chemistry B, 2013, 117, 14666-14675.  | 2.6  | 25        |
| 58 | Conjugation of PEG and gold nanoparticles to increase the accessibility and valency of tethered RNA splicing enhancers. Chemical Science, 2013, 4, 257-265.   | 7.4  | 7         |
| 59 | Sequence-Selective Detection of Double-Stranded DNA Sequences Using Pyrrole-Imidazole Polyamide Microarrays. Journal of the American Chemical Society, 2013, 135, 3449-3457.  | 13.7 | 34        |
| 60 | Addressable and unidirectional energy transfer along a DNA three-way junction programmed by pyrrole-imidazole polyamides. Scientific Reports, 2013, 3, 1883.  | 3.3  | 19        |
| 61 | Triazoles from N-Alkynylheterocycles and Their Coordination to Iridium. Organometallics, 2012, 31, 1112-1117.   | 2.3  | 11        |
| 62 | Preparation of hydrosol suspensions of elemental and core-shell nanoparticles by co-deposition with water vapour from the gas-phase in ultra-high vacuum conditions. Journal of Nanoparticle Research, 2012, 14, 1. | 1.9  | 33        |
| 63 | Directed Assembly of DNA-Functionalized Gold Nanoparticles Using Pyrrole-Imidazole Polyamides. Journal of the American Chemical Society, 2012, 134, 8356-8359.  | 13.7 | 46        |
| 64 | An RNA Splicing Enhancer that Does Not Act by Looping. Angewandte Chemie - International Edition, 2012, 51, 9800-9803.  | 13.8 | 5         |
| 65 | Highly Size- and Shape-Controlled Synthesis of Silver Nanoparticles via a Templated Tollens Reaction. Small, 2012, 8, 770-776.  | 10.0 | 51        |
| 66 | Photo-induced growth of DNA-capped silver nanoparticles. Nanotechnology, 2012, 23, 115607.  | 2.6  | 6         |
| 67 | Orthogonal, metal-free surface modification by strain-promoted azide-alkyne and nitrile oxide-alkene/alkyne cycloadditions. Chemical Science, 2012, 3, 2479.  | 7.4  | 47        |
| 68 | Site-Specific Assembly of DNA-Based Photonic Wires by Using Programmable Polyamides. Angewandte Chemie - International Edition, 2011, 50, 2712-2715.  | 13.8 | 49        |
| 69 | DNA-Templated Photonic Arrays and Assemblies: Design Principles and Future Opportunities. Chemistry - A European Journal, 2011, 17, 7982-7991.  | 3.3  | 58        |
| 70 | Cu-Catalyzed N-Alkynylation of Imidazoles, Benzimidazoles, Indazoles, and Pyrazoles Using PEG as Solvent Medium. Journal of Organic Chemistry, 2010, 75, 980-983.   | 3.2  | 74        |
| 71 | Highly Efficient Synthesis of DNA-Binding Hairpin Polyamides via the Use of a New Triphosgene Coupling Strategy. Organic Letters, 2009, 11, 3910-3913.  | 4.6  | 23        |
| 72 | Nucleic acid and nucleotide-mediated synthesis of inorganic nanoparticles. Nature Nanotechnology, 2008, 3, 81-87.   | 31.5 | 271       |

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|----|---|------|-----------|
| 73 | Chain-like assembly of gold nanoparticles on artificial DNA templates via "click chemistry". Chemical Communications, 2008, , 169-171.  | 4.1  | 116       |
| 74 | Transfer Printing of DNA by "Click" Chemistry. ChemBioChem, 2007, 8, 1997-2002.   | 2.6  | 101       |
| 75 | Synthesis of Highly Modified DNA by a Combination of PCR with Alkyne-Bearing Triphosphates and Click Chemistry. Chemistry - A European Journal, 2007, 13, 9486-9494.  | 3.3  | 118       |
| 76 | DNA Photography: An Ultrasensitive DNA-Detection Method Based on Photographic Techniques. Angewandte Chemie - International Edition, 2007, 46, 4184-4187.   | 13.8 | 50        |
| 77 | Formation of Bimetallic Ag-Au Nanowires by Metallization of Artificial DNA Duplexes. Small, 2007, 3, 1049-1055.   | 10.0 | 106       |
| 78 | Directed DNA Metallization. Journal of the American Chemical Society, 2006, 128, 1398-1399.   | 13.7 | 281       |
| 79 | Click Chemistry as a Reliable Method for the High-Density Postsynthetic Functionalization of Alkyne-Modified DNA. Organic Letters, 2006, 8, 3639-3642.  | 4.6  | 453       |
| 80 | Structural Reassignment of the Mono- and Bis-Addition Products from the Addition Reactions of N-(Diphenylmethylene)glycinic Esters to [60]Fullerene under Bingel Conditions. Journal of Organic Chemistry, 2005, 70, 8572-8574. | 3.2  | 30        |
| 81 | Regioselective Synthesis of Novele-Edge-[60]fullerenylmethanodihydropyrroles and 1,2-Dihydromethano[60]fullerenes. European Journal of Organic Chemistry, 2005, 2005, 5158-5162.  | 2.4  | 11        |
| 82 | Trannulenes with "In-Plane" Aromaticity: Candidates for Harvesting Light Energy. Angewandte Chemie - International Edition, 2005, 44, 3176-3178.  | 13.8 | 30        |
| 83 | Fluorinated Fullerenes: " Sources of Donor-Acceptor Dyads with [18]Trannulene Acceptors for Energy- and Electron-Transfer Reactions. Journal of Physical Chemistry A, 2005, 109, 9723-9730.                                     | 2.5  | 15        |
| 84 | Novel formation of a fluorinated aziridino[60]fullerene. Tetrahedron Letters, 2004, 45, 3617-3619.  | 1.4  | 8         |
| 85 | Design and synthesis of multi-component 18-annulenic fluorofullerene ensembles suitable for donor-acceptor applications. Organic and Biomolecular Chemistry, 2004, 2, 319-329.  | 2.8  | 38        |
| 86 | Synthesis of 18? annulenic fluorofullerenes from tertiary carbanions: size matters!. Organic and Biomolecular Chemistry, 2003, 1, 2015.   | 2.8  | 24        |
| 87 | Synthesis and Characterization of Mono- and Bis-methano[60]fullerenyl Amino Acid Derivatives and Their Reductive Ring-Opening Retro-Bingel Reactions. Journal of Organic Chemistry, 2002, 67, 8316-8330.                        | 3.2  | 49        |
| 88 | Structural Investigation of the Hedamycin:d(ACCGGT) <sub>2</sub> Complex by NMR and Restrained Molecular Dynamics. Biochemical and Biophysical Research Communications, 2002, 290, 1602-1608.                                   | 2.1  | 16        |
| 89 | [60]Fullerene Amino Acids and Related Derivatives. Fullerenes, Nanotubes, and Carbon Nanostructures, 1999, 7, 973-1001.   | 0.6  | 27        |