

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	Click Chemistry as a Reliable Method for the High-Density Postsynthetic Functionalization of Alkyne-Modified DNA. <i>Organic Letters</i> , 2006, 8, 3639-3642.	4.6	453
2	Directed DNA Metallization. <i>Journal of the American Chemical Society</i> , 2006, 128, 1398-1399.	13.7	281
3	Nucleic acid and nucleotide-mediated synthesis of inorganic nanoparticles. <i>Nature Nanotechnology</i> , 2008, 3, 81-87.	31.5	271
4	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
5	Synthesis of Highly Modified DNA by a Combination of PCR with Alkyne-Bearing Triphosphates and Click Chemistry. <i>Chemistry - A European Journal</i> , 2007, 13, 9486-9494.	3.3	118
6	Chain-like assembly of gold nanoparticles on artificial DNA templates via "click chemistry". <i>Chemical Communications</i> , 2008, , 169-171.	4.1	116
7	Formation of Bimetallic Ag-Au Nanowires by Metallization of Artificial DNA Duplexes. <i>Small</i> , 2007, 3, 1049-1055.	10.0	106
8	Transfer Printing of DNA by "Click" Chemistry. <i>ChemBioChem</i> , 2007, 8, 1997-2002.	2.6	101
9	Cu-Catalyzed N-Alkynylation of Imidazoles, Benzimidazoles, Indazoles, and Pyrazoles Using PEG as Solvent Medium. <i>Journal of Organic Chemistry</i> , 2010, 75, 980-983.	3.2	74
10	Oxidative $\text{H}^2\text{-C}=\text{H}$ sulfonylation of cyclic amines. <i>Chemical Science</i> , 2018, 9, 2295-2300.	7.4	66
11	Specific G-quadruplex ligands modulate the alternative splicing of Bcl-X. <i>Nucleic Acids Research</i> , 2018, 46, 886-896.	14.5	64
12	Identification of G-quadruplexes in long functional RNAs using 7-deazaguanine RNA. <i>Nature Chemical Biology</i> , 2017, 13, 18-20.	8.0	59
13	DNA-Templated Photonic Arrays and Assemblies: Design Principles and Future Opportunities. <i>Chemistry - A European Journal</i> , 2011, 17, 7982-7991.	3.3	58
14	Highly Size- and Shape-Controlled Synthesis of Silver Nanoparticles via a Templated Tollens Reaction. <i>Small</i> , 2012, 8, 770-776.	10.0	51
15	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
16	DNA Photography: An Ultrasensitive DNA-Detection Method Based on Photographic Techniques. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 4184-4187.	13.8	50
17	Synthesis and Characterization of Mono- and Bis-methano[60]fullerenyl Amino Acid Derivatives and Their Reductive Ring-Opening Retro-Bingel Reactions. <i>Journal of Organic Chemistry</i> , 2002, 67, 8316-8330.	3.2	49
18	Site-Specific Assembly of DNA-Based Photonic Wires by Using Programmable Polyamides. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 2712-2715.	13.8	49

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19	Orthogonal, metal-free surface modification by strain-promoted azide-alkyne and nitrile oxide-alkene/alkyne cycloadditions. <i>Chemical Science</i> , 2012, 3, 2479.	7.4	47
20	Directed Assembly of DNA-Functionalized Gold Nanoparticles Using Pyrrole-Imidazole Polyamides. <i>Journal of the American Chemical Society</i> , 2012, 134, 8356-8359.	13.7	46
21	Design and synthesis of multi-component 18 π annulenic fluorofullerene ensembles suitable for donor-acceptor applications. <i>Organic and Biomolecular Chemistry</i> , 2004, 2, 319-329.	2.8	38
22	Sequence-Selective Detection of Double-Stranded DNA Sequences Using Pyrrole-Imidazole Polyamide Microarrays. <i>Journal of the American Chemical Society</i> , 2013, 135, 3449-3457.	13.7	34
23	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. <i>Journal of Nanoparticle Research</i> , 2012, 14, 1.	1.9	33
24	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
25	Structural Reassignment of the Mono- and Bis-Addition Products from the Addition Reactions of N-(Diphenylmethylene)glycinate Esters to [60]Fullerene under Bingel Conditions. <i>Journal of Organic Chemistry</i> , 2005, 70, 8572-8574.	3.2	30
26	Trannulenes with π -Plane-Aromaticity: Candidates for Harvesting Light Energy. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 3176-3178.	13.8	30
27	The mechanisms of a mammalian splicing enhancer. <i>Nucleic Acids Research</i> , 2018, 46, 2145-2158.	14.5	30
28	A flow platform for degradation-free CuAAC bioconjugation. <i>Nature Communications</i> , 2018, 9, 4021.	12.8	30
29	Adenosyl Methionine Cofactor Modifications Enhance the Biocatalytic Repertoire of Small Molecule Alkylation. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 17583-17588.	13.8	30
30	Biocatalytic Alkylation Cascades: Recent Advances and Future Opportunities for Late-Stage Functionalization. <i>ChemBioChem</i> , 2020, 21, 2890-2897.	2.6	29
31	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
32	[60]Fullerene Amino Acids and Related Derivatives. <i>Fullerenes, Nanotubes, and Carbon Nanostructures</i> , 1999, 7, 973-1001.	0.6	27
33	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
34	A Tandem Enzymatic $\text{S}^{\text{Adenosyl}}\text{M}^{\text{Methylation}}$ Process: Coupling in Situ $\text{S}^{\text{Adenosyl}}\text{M}^{\text{Methionine}}$ Formation with Methyl Transfer. <i>ChemBioChem</i> , 2017, 18, 992-995.	2.6	27
35	Spontaneous Membrane-Translocating Peptide Adsorption at Silica Surfaces: A Molecular Dynamics Study. <i>Journal of Physical Chemistry B</i> , 2013, 117, 14666-14675.	2.6	25
36	Chemoselective Sequential Click Ligations Directed by Enhanced Reactivity of an Aromatic Ynamine. <i>Organic Letters</i> , 2016, 18, 1694-1697.	4.6	25

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37	Synthesis of 18? annulenic fluorofullerenes from tertiary carbanions: size matters!. <i>Organic and Biomolecular Chemistry</i> , 2003, 1, 2015.	2.8	24
38	An oligofluorene truxene based distributed feedback laser for biosensing applications. <i>Biosensors and Bioelectronics</i> , 2014, 54, 679-686.	10.1	24
39	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
40	Highly Efficient Synthesis of DNA-Binding Hairpin Polyamides via the Use of a New Triphosgene Coupling Strategy. <i>Organic Letters</i> , 2009, 11, 3910-3913.	4.6	23
41	Whisky tasting using a bimetallic nanoplasmonic tongue. <i>Nanoscale</i> , 2019, 11, 15216-15223.	5.6	23
42	Two-dimensional infrared spectroscopy: an emerging analytical tool?. <i>Analyst, The</i> , 2020, 145, 2014-2024.	3.5	23
43	<i>Mycobacterium tuberculosis</i> Decaprenylphosphoryl- β -D-ribose Oxidase Inhibitors: Expeditious 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
44	Addressable and unidirectional energy transfer along a DNA three-way junction programmed by pyrrole-imidazole polyamides. <i>Scientific Reports</i> , 2013, 3, 1883.	3.3	19
45	Structural and Functional Basis of C-Methylation of Coumarin Scaffolds by NovO. <i>ACS Chemical Biology</i> , 2017, 12, 374-379.	3.4	19
46	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
47	Structural Basis of the Mispairing of an Artificially Expanded Genetic Information System. <i>CheM</i> , 2016, 1, 946-958.	11.7	17
48	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
49	Structural Investigation of the Hedamycin:d(ACCGGT) ₂ Complex by NMR and Restrained Molecular Dynamics. <i>Biochemical and Biophysical Research Communications</i> , 2002, 290, 1602-1608.	2.1	16
50	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
51	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
52	Fluorinated Fullerenes: Sources of Donor-Acceptor Dyads with [18]Trannulene Acceptors for Energy- and Electron-Transfer Reactions. <i>Journal of Physical Chemistry A</i> , 2005, 109, 9723-9730.	2.5	15
53	Structural basis of DNA duplex distortion induced by thiazole-containing hairpin polyamides. <i>Nucleic Acids Research</i> , 2018, 46, 42-53.	14.5	15
54	Malaria Protein Kinase CK2 (PfCK2) Shows Novel Mechanisms of Regulation. <i>PLoS ONE</i> , 2014, 9, e85391.	2.5	14

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55	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
56	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
57	Highly Efficient Synthesis of DNA-Binding Polyamides Using a Convergent Fragment-Based Approach. <i>Organic Letters</i> , 2014, 16, 4654-4657.	4.6	12
58	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
59	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
60	Regioselective Synthesis of Novele-Edge-[60]fullerenylmethanodihydropyrroles and 1,2-Dihydromethano[60]fullerenes. <i>European Journal of Organic Chemistry</i> , 2005, 2005, 5158-5162.	2.4	11
61	Triazoles from N-Alkynylheterocycles and Their Coordination to Iridium. <i>Organometallics</i> , 2012, 31, 1112-1117.	2.3	11
62	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
63	Reversible DNA micro-patterning using the fluorous effect. <i>Chemical Communications</i> , 2017, 53, 3094-3097.	4.1	11
64	Contra-thermodynamic E ↔ Z isomerization of cinnamamides via selective energy transfer catalysis. <i>Tetrahedron</i> , 2020, 76, 131198.	1.9	10
65	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
66	Novel formation of a fluorinated aziridino[60]fullerene. <i>Tetrahedron Letters</i> , 2004, 45, 3617-3619.	1.4	8
67	Splice-switching small molecules: A new therapeutic approach to modulate gene expression. <i>Methods</i> , 2019, 167, 134-142.	3.8	8
68	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
69	Conjugation of PEG and gold nanoparticles to increase the accessibility and valency of tethered RNA splicing enhancers. <i>Chemical Science</i> , 2013, 4, 257-265.	7.4	7
70	SERS enhancement of silver nanoparticles prepared by a template-directed triazole ligand strategy. <i>Chemical Communications</i> , 2015, 51, 13028-13031.	4.1	7
71	DNA-directed spatial assembly of photosynthetic light-harvesting proteins. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 1359-1362.	2.8	7
72	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

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73	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
74	Photo-induced growth of DNA-capped silver nanoparticles. <i>Nanotechnology</i> , 2012, 23, 115607.	2.6	6
75	Applications of 2D-IR Spectroscopy to Probe the Structural Dynamics of DNA. , 2018, , 77-100.		6
76	An RNA Splicing Enhancer that Does Not Act by Looping. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 9800-9803.	13.8	5
77	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
78	Organic Semiconductor Laser Platform for the Detection of DNA by AgNP Plasmonic Enhancement. <i>Langmuir</i> , 2018, 34, 14766-14773.	3.5	5
79	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
80	Hybrid organic semiconductor lasers for bio-molecular sensing. <i>Faraday Discussions</i> , 2014, 174, 369-381.	3.2	4
81	Molecular Construction of Sulfonamide Antisense Oligonucleotides. <i>Journal of Organic Chemistry</i> , 2019, 84, 10635-10648.	3.2	4
82	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
83	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
84	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
85	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
86	Direct, Late-Stage Mono-N-acylation 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
87	(Non-) Covalently Modified DNA with Novel Functions. , 2015, , 1-77.		1
88	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
89	Distributed feedback laser for biosensing applications. , 2014, 2014, 3703-6.		0