David A Gaul

List of Publications by Year
in descending order

26 papers	554 citations	759233 12 h-index	677142 22 g-index
26 all docs	26 docs citations	26 times ranked	955 citing authors

#	Article	IF	Citations
1	Nucleoside phosphorylation by the mineral schreibersite. Scientific Reports, 2015, 5, 17198.	3.3	82
2	International Ring Trial of a High Resolution Targeted Metabolomics and Lipidomics Platform for Serum and Plasma Analysis. Analytical Chemistry, 2019, 91, 14407-14416.	6.5	66
3	Highly-accurate metabolomic detection of early-stage ovarian cancer. Scientific Reports, 2015, 5, 16351.	3.3	65
4	Chemical encoding of risk perception and predator detection among estuarine invertebrates. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 662-667.	7.1	49
5	The Effect of Anticoagulants, Temperature, and Time on the Human Plasma Metabolome and Lipidome from Healthy Donors as Determined by Liquid Chromatography-Mass Spectrometry. Biomolecules, 2019, 9, 200.	4.0	33
6	Preoperative Metabolic Signatures of Prostate Cancer Recurrence Following Radical Prostatectomy. Journal of Proteome Research, 2019, 18, 1316-1327.	3.7	30
7	Whole Reproductive System Non-Negative Matrix Factorization Mass Spectrometry Imaging of an Early-Stage Ovarian Cancer Mouse Model. PLoS ONE, 2016, 11, e0154837.	2.5	28
8	Flow Injectionâ€“Traveling-Wave Ion Mobilityâ€“Mass Spectrometry for Prostate-Cancer Metabolomics. Analytical Chemistry, 2018, 90, 13767-13774.	6.5	22
9	Machine Learning-Enabled Renal Cell Carcinoma Status Prediction Using Multiplatform Urine-Based Metabolomics. Journal of Proteome Research, 2021, 20, 3629-3641.	3.7	22
10	TRAF6-IRF5 kinetics, TRIF, and biophysical factors drive synergistic innate responses to particle-mediated MPLA-CpG co-presentation. Science Advances, 2021, 7, .	10.3	21
11	Presence of Bromotyrosine Alkaloids in Marine Sponges Is Independent of Metabolomic and Microbiome Architectures. MSystems, 2021, 6, .	3.8	18
12	Space- and Time-Resolved Metabolomics of a High-Grade Serous Ovarian Cancer Mouse Model. Cancers, 2022, 14, 2262.	3.7	17
13	Early Detection of Cystic Fibrosis Acute Pulmonary Exacerbations by Exhaled Breath Condensate Metabolomics. Journal of Proteome Research, 2020, 19, 144-152.	3.7	16
14	Deep Metabolomics of a High-Grade Serous Ovarian Cancer Triple-Knockout Mouse Model. Journal of Proteome Research, 2019, 18, 3184-3194.	3.7	12
15	Liver-Targeting Class I Selective Histone Deacetylase Inhibitors Potently Suppress Hepatocellular Tumor Growth as Standalone Agents. Cancers, 2020, 12, 3095.	3.7	10
16	Urine-Based Metabolomics and Machine Learning Reveals Metabolites Associated with Renal Cell Carcinoma Stage. Cancers, 2021, 13, 6253.	3.7	10
17	Precursor-Guided Mining of Marine Sponge Metabolomes Lends Insight into Biosynthesis of Pyrroleâ€“Imidazole Alkaloids. ACS Chemical Biology, 2020, 15, 2185-2194.	3.4	9
18	Enzymatic Synthesis Assisted Discovery of Prolineâ€Rich Macrocyclic Peptides in Marine Sponges. ChemBioChem, 2021, 22, 2614-2618.	2.6	9

#	Article	IF	Citations
19	Comparison of High-Resolution Fourier Transform Mass Spectrometry Platforms for Putative Metabolite Annotation. Analytical Chemistry, 2021, 93, 12374-12382.	6.5	7
20	Lipidome Alterations following Mild Traumatic Brain Injury in the Rat. Metabolites, 2022, 12, 150.	2.9	7
21	Predator cues target signaling pathways in toxic algal metabolome. Limnology and Oceanography, 2022, 67, 1227-1237.	3.1	7
22	Lipidome signatures of metastasis in a transgenic mouse model of sonic hedgehog medulloblastoma. Analytical and Bioanalytical Chemistry, 2020, 412, 7017-7027.	3.7	5
23	Targeted Microchip Capillary Electrophoresis-Orbitrap Mass Spectrometry Metabolomics to Monitor Ovarian Cancer Progression. Metabolites, 2022, 12, 532.	2.9	3
24	Zinc Bis(Amide) Compounds Evaluated as Designed Precursors for Site-Selective P-type Doping of ZnSe. Materials Research Society Symposia Proceedings, 1995, 415, 117.	0.1	2
25	Stereochemical Assignment and Absolute Abundance of Nonproteinogenic Amino Acid Homoarginine in Marine Sponges. ACS Omega, 2021, 6, 33200-33205.	3.5	2
26	Differentiating toxic and nontoxic congeneric harmful algae using the non-polar metabolome. Harmful Algae, 2021, 110, 102129.	4.8	2