# David A Gaul

List of Publications by Year
in descending order

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

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Lipidome Alterations following Mild Traumatic Brain Injury in the Rat. Metabolites, 2022, 12, 150. | 2.9 | 7 |
| 2 | Predator cues target signaling pathways in toxic algal metabolome. Limnology and Oceanography, 2022, 67, 1227-1237. | 3.1 | 7 |
| 3 | Space- and Time-Resolved Metabolomics of a High-Grade Serous Ovarian Cancer Mouse Model. Cancers, 2022, 14, 2262. | 3.7 | 17 |
| 4 | Targeted Microchip Capillary Electrophoresis-Orbitrap Mass Spectrometry Metabolomics to Monitor Ovarian Cancer Progression. Metabolites, 2022, 12, 532. | 2.9 | 3 |
| 5 | 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 |
| 6 | Presence of Bromotyrosine Alkaloids in Marine Sponges Is Independent of Metabolomic and Microbiome Architectures. MSystems, 2021, 6, . | 3.8 | 18 |
| 7 | Machine Learning-Enabled Renal Cell Carcinoma Status Prediction Using Multiplatform Urine-Based Metabolomics. Journal of Proteome Research, 2021, 20, 3629-3641. | 3.7 | 22 |
| 8 | Enzymatic Synthesis Assisted Discovery of Proline‑Rich Macrocyclic Peptides in Marine Sponges. ChemBioChem, 2021, 22, 2614-2618. | 2.6 | 9 |
| 9 | Comparison of High-Resolution Fourier Transform Mass Spectrometry Platforms for Putative Metabolite Annotation. Analytical Chemistry, 2021, 93, 12374-12382. | 6.5 | 7 |
| 10 | Stereochemical Assignment and Absolute Abundance of Nonproteinogenic Amino Acid Homoarginine in Marine Sponges. ACS Omega, 2021, 6, 33200-33205. | 3.5 | 2 |
| 11 | Differentiating toxic and nontoxic congeneric harmful algae using the non-polar metabolome. Harmful Algae, 2021, 110, 102129. | 4.8 | 2 |
| 12 | Urine-Based Metabolomics and Machine Learning Reveals Metabolites Associated with Renal Cell Carcinoma Stage. Cancers, 2021, 13, 6253. | 3.7 | 10 |
| 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 | Precursor-Guided Mining of Marine Sponge Metabolomes Lends Insight into Biosynthesis of Pyrrole‑Imidazole Alkaloids. ACS Chemical Biology, 2020, 15, 2185-2194. | 3.4 | 9 |
| 15 | Lipidome signatures of metastasis in a transgenic mouse model of sonic hedgehog medulloblastoma. Analytical and Bioanalytical Chemistry, 2020, 412, 7017-7027. | 3.7 | 5 |
| 16 | Liver-Targeting Class I Selective Histone Deacetylase Inhibitors Potently Suppress Hepatocellular Tumor Growth as Standalone Agents. Cancers, 2020, 12, 3095. | 3.7 | 10 |
| 17 | Deep Metabolomics of a High-Grade Serous Ovarian Cancer Triple-Knockout Mouse Model. Journal of Proteome Research, 2019, 18, 3184-3194. | 3.7 | 12 |
| 18 | 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 |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 19 | 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 |
| 20 | Preoperative Metabolic Signatures of Prostate Cancer Recurrence Following Radical Prostatectomy. Journal of Proteome Research, 2019, 18, 1316-1327. | 3.7 | 30 |
| 21 | 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 |
| 22 | Flow Injectionâ€"Traveling-Wave Ion Mobilityâ€"Mass Spectrometry for Prostate-Cancer Metabolomics. Analytical Chemistry, 2018, 90, 13767-13774. | 6.5 | 22 |
| 23 | 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 |
| 24 | Highly-accurate metabolomic detection of early-stage ovarian cancer. Scientific Reports, 2015, 5, 16351. | 3.3 | 65 |
| 25 | Nucleoside phosphorylation by the mineral schreibersite. Scientific Reports, 2015, 5, 17198. | 3.3 | 82 |
| 26 | 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 |