# David E Hibbs

## List of Publications by Year in Descending Order



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| 74 papers | 1,731 citations | 20 h-index | 40 g-index |
| 79 ext. papers | 1,994 ext. citations | 4.8 avg, IF | 4.42 L-index |

| # | Paper | IF | Citations |
|---|---|---|---|
| 74 | Structure-activity relationships of valine, -leucine, and phenylalanine amino acid-derived synthetic cannabinoid receptor agonists related to ADB-BUTINACA, APP-BUTINACA, and ADB-P7AICA.. *RSC Medicinal Chemistry*, **2022**, 13, 156-174 | 3.5 | 2 |
| 73 | An experimental and theoretical charge density study of theophylline and malonic acid cocrystallization. *RSC Advances*, **2022**, 12, 15670-15684 | 3.7 | 1 |
| 72 | Delivering anion transporters to lipid bilayers in water. *Organic and Biomolecular Chemistry*, **2021**, 19, 9624-9628 | 3.9 | 1 |
| 71 | Understanding Hygroscopicity of Theophylline a Novel Cocrystal Polymorph: A Charge Density Study. *Journal of Physical Chemistry A*, **2021**, 125, 9736-9756 | 2.8 | 1 |
| 70 | Roles of hydrophilic residues in GABA binding site of GABA-ρ1 receptor explain the addition/inhibition effects of competitive ligands.. *Neurochemistry International*, **2021**, 153, 105258 | 4.4 | 0 |
| 69 | NNL-3: A Synthetic Intermediate or a New Class of Hydroxybenzotriazole Esters with Cannabinoid Receptor Activity?. *ACS Chemical Neuroscience*, **2021**, 12, 4020-4036 | 5.7 | 0 |
| 68 | The Antifungal and Synergistic Effect of Bisphosphonates in. *Antimicrobial Agents and Chemotherapy*, **2021**, 65, | 5.9 | 1 |
| 67 | The discovery of a potent and selective pyrazolo-[2,3-e]-[1,2,4]-triazine cannabinoid type 2 receptor agonist. *European Journal of Medicinal Chemistry*, **2021**, 210, 113087 | 6.8 | 1 |
| 66 | Analyzing Hydration Differences in Cocrystal Polymorphs: High-Resolution X-ray Investigation of Caffeine–Glutaric Acid Cocrystals. *Crystal Growth and Design*, **2021**, 21, 4456-4467 | 3.5 | 2 |
| 65 | Enhanced skin retention and permeation of a novel peptide via structural modification, chemical enhancement, and microneedles. *International Journal of Pharmaceutics*, **2021**, 606, 120868 | 6.5 | 1 |
| 64 | Tubulin-Binding 3,5-Bis(styryl)pyrazoles as Lead Compounds for the Treatment of Castration-Resistant Prostate Cancer. *Molecular Pharmacology*, **2020**, 97, 409-422 | 4.3 | 3 |
| 63 | Drug Targets for Biologics **2020**, 71-88 | | |
| 62 | Tricyclic heterocycles display diverse sensitivity to the A147T TSPO polymorphism. *European Journal of Medicinal Chemistry*, **2020**, 207, 112725 | 6.8 | 3 |
| 61 | Mutations, Extrolite Profiles, and Antifungal Susceptibility in Clinical and Environmental Isolates of the Aspergillus viridinutans Species Complex. *Antimicrobial Agents and Chemotherapy*, **2019**, 63, | 5.9 | 9 |
| 60 | Design, synthesis and evaluation of halogenated furanone derivatives as quorum sensing inhibitors in Pseudomonas aeruginosa. *European Journal of Pharmaceutical Sciences*, **2019**, 140, 105058 | 5.1 | 16 |
| 59 | First Nondiscriminating Translocator Protein Ligands Produced from a Carbazole Scaffold. *Journal of Medicinal Chemistry*, **2019**, 62, 8235-8248 | 8.3 | 12 |
| 58 | Strategies to develop selective CB receptor agonists from indole carboxamide synthetic cannabinoids. *European Journal of Medicinal Chemistry*, **2019**, 180, 291-309 | 6.8 | 8 |

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| 57 | Novel diagnostics for point-of-care bacterial detection and identification.. *RSC Advances*, **2019**, 9, 21486-21497 | 3.7 | 29 |
| 56 | A Selective, Dual Emission -Alanine Aminopeptidase Activated Fluorescent Probe for the Detection of , , and. *Molecules*, **2019**, 24, | 4.8 | 2 |
| 55 | Exploring the Binding of Barbital to a Synthetic Macrocyclic Receptor. A Charge Density Study. *Journal of Physical Chemistry A*, **2018**, 122, 3031-3044 | 2.8 | 2 |
| 54 | Using Electron Density to Predict Synthon Formation in a 4-Hydroxybenzoic Acid: 4,4?-Bipyridine Cocrystal. *Crystal Growth and Design*, **2018**, 18, 1786-1798 | 3.5 | 16 |
| 53 | Monoclinic Paracetamol vs. Paracetamol-4,4?-Bipyridine Co-Crystal; What Is the Difference? A Charge Density Study. *Crystals*, **2018**, 8, 46 | 2.3 | 6 |
| 52 | A latent green fluorescent styrylcoumarin probe for the selective growth and detection of Gram negative bacteria. *Bioorganic and Medicinal Chemistry*, **2018**, 26, 4745-4750 | 3.4 | 5 |
| 51 | Exploring the Solubility of the Carbamazepine-Saccharin Cocrystal: A Charge Density Study. *Crystal Growth and Design*, **2018**, | 3.5 | 2 |
| 50 | Surveillance for azole resistance in clinical and environmental isolates of Aspergillus fumigatus in Australia and cyp51A homology modelling of azole-resistant isolates. *Journal of Antimicrobial Chemotherapy*, **2018**, 73, 2347-2351 | 5.1 | 20 |
| 49 | Structural and compositional variations of basic Cu(II) chlorides in the herbertsmithite and gillardite structure field. *Mineralogical Magazine*, **2017**, 81, 123-134 | 1.7 | 3 |
| 48 | Methods for the detection and identification of pathogenic bacteria: past, present, and future. *Chemical Society Reviews*, **2017**, 46, 4818-4832 | 58.5 | 204 |
| 47 | A Carbocyclic Curcumin Inhibits Proliferation of Gram-Positive Bacteria by Targeting FtsZ. *Biochemistry*, **2017**, 56, 514-524 | 3.2 | 21 |
| 46 | Rapid access to N-(indol-2-yl)amides and N-(indol-3-yl)amides as unexplored pharmacophores. *Organic and Biomolecular Chemistry*, **2017**, 15, 576-580 | 3.9 | 6 |
| 45 | Spontaneous Adverse Event Reports Associated with Zolpidem in the United States 2003-2012. *Journal of Clinical Sleep Medicine*, **2017**, 13, 223-234 | 3.1 | 35 |
| 44 | A novel class of thiosemicarbazones show multi-functional activity for the treatment of Alzheimer disease. *European Journal of Medicinal Chemistry*, **2017**, 139, 612-632 | 6.8 | 50 |
| 43 | An Investigation of the Differential Effects of Ursane Triterpenoids from Centella asiatica, and Their Semisynthetic Analogues, on GABAA Receptors. *Chemical Biology and Drug Design*, **2016**, 88, 386-97 | 2.9 | 17 |
| 42 | Identification of agents targeting FtsZ assembly. *Future Medicinal Chemistry*, **2016**, 8, 1111-32 | 4.1 | 20 |
| 41 | New Delhi metallo--lactamase-1: structure, inhibitors and detection of producers. *Future Medicinal Chemistry*, **2016**, 8, 993-1012 | 4.1 | 33 |
| 40 | Investigating the Role of Loop C Hydrophilic Residue T244 on the Binding Site of 1 GABAC Receptors via Site Mutation and Partial Agonism. *PLoS ONE*, **2016**, 11, e0156618 | 3.7 | 4 |

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| 39 | A comparison of the experimental and theoretical charge density distributions in two polymorphic modifications of piroxicam. *Physical Chemistry Chemical Physics*, **2016**, 18, 28802-28818 | 3.6 | 13 |
| 38 | An analysis of the experimental and theoretical charge density distributions of the piroxicam–saccharin co-crystal and its constituents. *RSC Advances*, **2016**, 6, 81578-81590 | 3.7 | 15 |
| 37 | -Alanyl aminopeptidase-activated fluorogenic probes for the rapid identification of Pseudomonas aeruginosa in clinical samples. *RSC Advances*, **2016**, 6, 58884-58889 | 3.7 | 8 |
| 36 | Effects of bioisosteric fluorine in synthetic cannabinoid designer drugs JWH-018, AM-2201, UR-144, XLR-11, PB-22, 5F-PB-22, APICA, and STS-135. *ACS Chemical Neuroscience*, **2015**, 6, 1445-58 | 5.7 | 138 |
| 35 | Comparison of templates for homology model of 1 GABAC receptors: More insights to the orthosteric binding site structure and functionality. *Journal of Molecular Graphics and Modelling*, **2015**, 62, 43-55 | 2.8 | 7 |
| 34 | Identification of dual PPAR/ agonists and their effects on lipid metabolism. *Bioorganic and Medicinal Chemistry*, **2015**, 23, 7676-84 | 3.4 | 11 |
| 33 | PHYTOTHERAPY PHARMACOPHORES FOR MAJOR CELLULAR DRUG TARGETS **2015**, 268-311 | | |
| 32 | PHYTOTHERAPIES AS NEW DRUG SOURCES **2015**, 330-369 | | |
| 31 | Standardisation of the FAERS database: a systematic approach to manually recoding drug name variants. *Pharmacoepidemiology and Drug Safety*, **2015**, 24, 731-7 | 2.6 | 13 |
| 30 | Structure–activity relationships of synthetic cannabinoid designer drug RCS-4 and its regioisomers and C4 homologues. *Forensic Toxicology*, **2015**, 33, 355-366 | 2.6 | 23 |
| 29 | Klebelsbergite, Sb4O4SO4(OH)2: Stability relationships, formation in Nature, and refinement of its structure. *American Mineralogist*, **2015**, 100, 602-607 | 2.9 | 7 |
| 28 | Experimental and theoretical charge density distribution in Pigment Yellow 101. *Physical Chemistry Chemical Physics*, **2015**, 17, 4677-86 | 3.6 | 12 |
| 27 | Potentiating the cellular targeting and anti-tumor activity of Dp44mT via binding to human serum albumin: two saturable mechanisms of Dp44mT uptake by cells. *Oncotarget*, **2015**, 6, 10374-98 | 3.3 | 25 |
| 26 | Investigations of amide bond variation and biaryl modification in analogues of 2 nAChR agonist SEN12333. *European Journal of Medicinal Chemistry*, **2014**, 84, 200-5 | 6.8 | 2 |
| 25 | The multikinase inhibitor axitinib is a potent inhibitor of human CYP1A2. *Biochemical Pharmacology*, **2014**, 88, 245-52 | 6 | 9 |
| 24 | The discovery of novel isoflavone pan peroxisome proliferator-activated receptor agonists. *Bioorganic and Medicinal Chemistry*, **2013**, 21, 766-78 | 3.4 | 19 |
| 23 | The synthesis and pharmacological evaluation of adamantane-derived indoles: cannabimimetic drugs of abuse. *ACS Chemical Neuroscience*, **2013**, 4, 1081-92 | 5.7 | 67 |
| 22 | Experimental and theoretical charge density distribution in a host-guest system: synthetic terephthaloyl receptor complexed to adipic acid. *Journal of Physical Chemistry A*, **2012**, 116, 5618-28 | 2.8 | 7 |

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| 21 | Experimental and theoretical charge density studies of 8-hydroxyquinoline cocrystallized with salicylic acid. *Journal of Physical Chemistry A*, **2012**, 116, 3420-7 | 2.8 | 14 |
| 20 | Gelosaite, BiMo6+(2−x)Mo5+6xO7(OH)·H2O (0 ≤ x ≤ 0.4), a new mineral from Su Senargiu (CA), Sardinia, Italy, and a second occurrence from Kingsgate, New England, Australia. *American Mineralogist*, **2011**, 96, 268-273 | 2.9 | |
| 19 | 7-Hydroxy-benzopyran-4-one derivatives: a novel pharmacophore of peroxisome proliferator-activated receptor alpha and -gamma (PPARalpha and gamma) dual agonists. *Journal of Medicinal Chemistry*, **2009**, 52, 6835-50 | 8.3 | 77 |
| 18 | Novel PPAR-gamma agonists identified from a natural product library: a virtual screening, induced-fit docking and biological assay study. *Chemical Biology and Drug Design*, **2008**, 71, 57-70 | 2.9 | 89 |
| 17 | Experimental and theoretical charge density distribution in two ternary cobalt(III) complexes of aromatic amino acids. *Journal of Physical Chemistry A*, **2007**, 111, 10123-33 | 2.8 | 17 |
| 16 | Hybrid density functional theory for pi-stacking interactions: application to benzenes, pyridines, and DNA bases. *Journal of Computational Chemistry*, **2006**, 27, 491-504 | 3.5 | 226 |
| 15 | Quantum-Chemical Design of Cryptand-like Ditopic Salt Binders. *Journal of Chemical Theory and Computation*, **2006**, 2, 354-63 | 6.4 | 2 |
| 14 | T-Cell Antigen Receptor-alpha Chain Transmembrane Peptides: Correlation between Structure and Function. *International Journal of Peptide Research and Therapeutics*, **2006**, 12, 261-267 | 2.1 | 12 |
| 13 | Comparison of the structure property relationships in LB films of zwitterionic TCNQ adducts. *Journal of Materials Chemistry*, **2005**, 15, 1437 | | 10 |
| 12 | A new orbital-based model for the analysis of experimental molecular charge densities: an application to (Z)-N-methyl-C-phenylnitrone. *Physical Chemistry Chemical Physics*, **2005**, 7, 1772-8 | 3.6 | 21 |
| 11 | Experimental charge density of a potential DHO synthetase inhibitor: dimethyl-trans-2-oxohexahydro-pyrimidine-4,6-dicarboxylate. *Organic and Biomolecular Chemistry*, **2005**, 3, 441-7 | 3.9 | 14 |
| 10 | Conformations, energies, and intramolecular hydrogen bonds in dicarboxylic acids: implications for the design of synthetic dicarboxylic acid receptors. *Journal of Computational Chemistry*, **2005**, 26, 1233-41 | 3.5 | 27 |
| 9 | The experimental electron density in polymorphs A and B of the anti-ulcer drug famotidine. *Acta Crystallographica Section A: Foundations and Advances*, **2004**, 60, 480-7 | | 43 |
| 8 | Experimental and Theoretical Charge Density Studies of Tetrafluorophthalonitrile and Tetrafluoroisophthalonitrile. *Journal of Physical Chemistry B*, **2004**, 108, 3663-3672 | 3.4 | 43 |
| 7 | Experimental and theoretical charge density study of the neurotransmitter taurine. *Chemistry - A European Journal*, **2003**, 9, 1075-84 | 4.8 | 46 |
| 6 | The electron density in flavones I. Baicalein. *New Journal of Chemistry*, **2003**, 27, 1392-1398 | 3.6 | 20 |
| 5 | Crystal and Molecular Structures of Three Salts of Δ1-[Co(R,R-Picchxn)(R-Phe)]2+ (Picchxn=N,N 1-DI(2-Picolyl)-1,2-Diaminocyclohexane; Phe = Phenylalaninato(1−)). *Journal of Coordination Chemistry*, **2003**, 56, 389-395 | 1.6 | 5 |
| 4 | Experimental and theoretical charge distribution in (Z)-N-methyl-C-phenylnitrone. *Organic and Biomolecular Chemistry*, **2003**, 1, 1034-40 | 3.9 | 20 |

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| 3 | X-N charge density analysis of the hydrogen bonding motif in 1-(2-hydroxy-5-nitrophenyl)ethanone. *Organic and Biomolecular Chemistry*, **2003**, 1, 1191-8 | 3.9 | 36 |
| 2 | Insights into bonding and hydrogen bond directionality in thioacetamide from the experimental charge distribution. *Perkin Transactions II RSC*, **2002**, 235-239 | | 19 |
| 1 | Calculation of the hydrophobicity of platinum drugs. *Journal of Medicinal Chemistry*, **2001**, 44, 472-4 | 8.3 | 75 |