# Faisal A Almalki

List of Publications by Year
in descending order

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|---|---|---|---|
| 43 papers | 938 citations | 516710 16 h-index | 526287 27 g-index |
| 43 all docs | 43 docs citations | 43 times ranked | 835 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | A Comprehensive Overview of Globally Approved JAK Inhibitors. Pharmaceutics, 2022, 14, 1001. | 4.5 | 83 |
| 2 | Triazoles and Their Derivatives: Chemistry, Synthesis, and Therapeutic Applications. Frontiers in Molecular Biosciences, 2022, 9, 864286. | 3.5 | 67 |
| 3 | Immunoinformatics-guided design of an epitope-based vaccine against severe acute respiratory syndrome coronavirus 2 spike glycoprotein. Computers in Biology and Medicine, 2020, 124, 103967. | 7.0 | 62 |
| 4 | Synthesis, biological activity and POM/DFT/docking analyses of annulated pyrano[2,3-d]pyrimidine derivatives: Identification of antibacterial and antitumor pharmacophore sites. Bioorganic Chemistry, 2021, 106, 104480. | 4.1 | 62 |
| 5 | Synthesis, DFT and POM analyses of cytotoxicity activity of Î±-amidophosphonates derivatives: Identification of potential antiviral O,O-pharmacophore site. Journal of Molecular Structure, 2019, 1197, 196-203. | 3.6 | 59 |
| 6 | Synthesis, characterization, X-Ray crystal study and bioctivities of pyrazole derivatives: Identification of antitumor, antifungal and antibacterial pharmacophore sites. Journal of Molecular Structure, 2020, 1205, 127625. | 3.6 | 43 |
| 7 | Synthesis, structural confirmation, antibacterial properties and bio-informatics computational analyses of new pyrrole based on 8-hydroxyquinoline. Journal of Molecular Structure, 2022, 1259, 132683. | 3.6 | 37 |
| 8 | Synthesis, antibacterial properties and bioinformatics computational analyses of novel 8-hydroxyquinoline derivatives. Heliyon, 2019, 5, e02689. | 3.2 | 35 |
| 9 | Synthesis, X-ray crystallographic study and molecular docking of new Î±-sulfamidophosphonates: POM analyses of their cytotoxic activity. Journal of Molecular Structure, 2020, 1210, 127990. | 3.6 | 34 |
| 10 | In vitro potential antiviral SARS-CoV-19- activity of natural product thymohydroquinone and dithymoquinone from Nigella sativa. Bioorganic Chemistry, 2022, 120, 105587. | 4.1 | 34 |
| 11 | QbD Applications for the Development of Nanopharmaceutical Products. , 2019, , 229-253. | | 26 |
| 12 | Petra/Osiris/Molinspiration and Molecular Docking Analyses of 3-Hydroxy-Indolin-2-one Derivatives as Potential Antiviral Agents. Current Computer-Aided Drug Design, 2021, 17, 123-133. | 1.2 | 26 |
| 13 | Crystallographic study, biological assessment and POM/Docking studies of pyrazoles-sulfonamide hybrids (PSH): Identification of a combined Antibacterial/Antiviral pharmacophore sites leading to in-silico screening the anti-Covid-19 activity. Journal of Molecular Structure, 2022, 1267, 133605. | 3.6 | 26 |
| 14 | Arylpropionic acid-derived NSAIDs: New insights on derivatization, anticancer activity and potential mechanism of action. Bioorganic Chemistry, 2019, 92, 103224. | 4.1 | 24 |
| 15 | Synthesis of new heterocyclic systems oxazino derivatives of 8-Hydroxyquinoline: Drug design and POM analyses of substituent effects on their potential antibacterial properties. Chemical Data Collections, 2019, 24, 100306. | 2.3 | 22 |
| 16 | QbD approached comparison of reaction mechanism in microwave synthesized gold nanoparticles and their superior catalytic role against hazardous nirtoâ€dye. Applied Organometallic Chemistry, 2019, 33, e5071. | 3.5 | 21 |
| 17 | A comprehensive review on synthesis, characterization, and applications of polydimethylsiloxane and copolymers. International Journal of Plastics Technology, 2019, 23, 261-282. | 3.1 | 21 |
| 18 | How to face COVID-19: proposed treatments based on remdesivir and hydroxychloroquine in the presence of zinc sulfate. Docking/DFT/POM structural analysis. Journal of Biomolecular Structure and Dynamics, 2022, 40, 9429-9442. | 3.5 | 20 |

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|---|---|---|---|
| 19 | New organic extractant based on pyridazinone scaffold compounds: Liquid-liquid extraction study and DFT calculations. Journal of Molecular Structure, 2019, 1191, 24-31. | 3.6 | 16 |
| 20 | DFT calculations and POM analyses of cytotoxicity of some flavonoids from aerial parts of Cupressus sempervirens: Docking and identification of pharmacophore sites. Bioorganic Chemistry, 2020, 100, 103850. | 4.1 | 16 |
| 21 | New Heterocyclic Compounds Based on Pyridazinones Scaffold as Efficient Inhibitor of Corrosion of Mild Steel in Acidic Solution 1ÂM HCl. Journal of Bio- and Tribo-Corrosion, 2020, 6, 1. | 2.6 | 15 |
| 22 | Psoralen Derivatives: Recent Advances of Synthetic Strategy and Pharmacological Properties. Anti-Inflammatory and Anti-Allergy Agents in Medicinal Chemistry, 2020, 19, 222-239. | 1.1 | 15 |
| 23 | Antibacterial activity of synthetic pyrido[2,3-d]pyrimidines armed with nitrile groups: POM analysis and identification of pharmacophore sites of nitriles as important pro-drugs. New Journal of Chemistry, 2018, 42, 15610-15617. | 2.8 | 14 |
| 24 | Carprofen: a theoretical mechanistic study to investigate the impact of hydrophobic interactions of alkyl groups on modulation of COX-1/2 binding selectivity. SN Applied Sciences, 2019, 1, 1. | 2.9 | 14 |
| 25 | Effect of different remineralizing agents on the initial carious lesions â€“ A comparative study. Saudi Dental Journal, 2020, 32, 390-395. | 1.6 | 14 |
| 26 | Methyleneâ€bearing sulfurâ€containing cyanopyrimidine derivatives for treatment of cancer: Partâ€II. Archiv Der Pharmazie, 2020, 353, e1900333. | 4.1 | 13 |
| 27 | Synthesis, antimicrobial, molecular docking and molecular dynamics studies of lauroyl thymidine analogs against SARS-CoV-2: POM study and identification of the pharmacophore sites. Bioorganic Chemistry, 2022, 125, 105850. | 4.1 | 13 |
| 28 | In silico evaluation of molecular interactions between macrocyclic inhibitors with the HCV NS3 protease. Docking and identification of antiviral pharmacophore site. Journal of Biomolecular Structure and Dynamics, 2023, 41, 2260-2273. | 3.5 | 12 |
| 29 | A Coreyâ€“Seebach Macrocyclisation Strategy for the Synthesis of Riccardin C and an Unnatural Macrocyclic Bis(bibenzyl) Analogue. European Journal of Organic Chemistry, 2016, 2016, 5738-5746. | 2.4 | 11 |
| 30 | Medicinal Applications of Cannabinoids Extracted from Cannabis sativa (L.): A New Route in the Fight Against COVID-19?. Current Pharmaceutical Design, 2021, 27, 1564-1578. | 1.9 | 11 |
| 31 | Synthesis, antimicrobial, SAR, PASS, molecular docking, molecular dynamics and pharmacokinetics studies of 5â€²-O-uridine derivatives bearing acyl moieties: POM study and identification of the pharmacophore sites. Nucleosides, Nucleotides and Nucleic Acids, 2022, 41, 1036-1083. | 1.1 | 11 |
| 32 | Synthesis and antimicrobial activity evaluation of some new 7-substituted quinolin-8-ol derivatives: POM analyses, docking, and identification of antibacterial pharmacophore sites. Chemical Data Collections, 2021, 31, 100593. | 2.3 | 9 |
| 33 | In Silico Approach Using Free Software to Optimize the Antiproliferative Activity and Predict the Potential Mechanism of Action of Pyrrolizine-Based Schiff Bases. Molecules, 2021, 26, 4002. | 3.8 | 9 |
| 34 | Identification of novel selective Mtbâ€DHFR inhibitors as antitubercular agents through structureâ€based computational techniques. Archiv Der Pharmazie, 2020, 353, e1900287. | 4.1 | 7 |
| 35 | Association between graduates' factors and success rate on the Saudi Pharmacist Licensure Examination: A single-Institution cross-sectional study. Saudi Pharmaceutical Journal, 2020, 28, 1830-1833. | 2.7 | 7 |
| 36 | Mechanistic investigations on Pinnick oxidation: a density functional theory study. Royal Society Open Science, 2020, 7, 191568. | 2.4 | 7 |

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|---|---|---|---|
| 37 | Pyrrolizine/Indolizine-NSAID Hybrids: Design, Synthesis, Biological Evaluation, and Molecular Docking Studies. Molecules, 2021, 26, 6582. | 3.8 | 6 |
| 38 | Probing inclusion complexes of 2-hydroxypropyl-Î²-cyclodextrin with mono-amino mono-carboxylic acids: physicochemical specification, characterization and molecular modeling. Heliyon, 2020, 6, e03360. | 3.2 | 5 |
| 39 | Mining of potential dipeptidyl peptidase-IV inhibitors as anti-diabetic agents using integrated in silico approaches. Journal of Biomolecular Structure and Dynamics, 2020, 38, 5349-5361. | 3.5 | 3 |
| 40 | Icotinib, Almonertinib, and Olmutinib: A 2D Similarity/Docking-Based Study to Predict the Potential Binding Modes and Interactions into EGFR. Molecules, 2021, 26, 6423. | 3.8 | 3 |
| 41 | Computational assessments of diastereoselective [4+2] cycloaddition and 1,3-borotopic shift of a dearomatized tertiary boronic ester intermediate: reactivities explained through transition-state distortion energies. RSC Advances, 2019, 9, 23148-23155. | 3.6 | 2 |
| 42 | Pyrrolizine/indolizine-cinnamaldehyde Schiff bases: Design, synthesis, biological evaluation, ADME, and molecular docking study. European Journal of Medicinal Chemistry Reports, 2022, 4, 100036. | 1.4 | 2 |
| 43 | Total synthesis of polymorphatin A, a macrocyclic bisbibenzyl with boat configured arenes. Tetrahedron, 2020, 76, 131521. | 1.9 | 1 |