# Ognyan I Petrov

List of Publications by Year
in descending order



| 34 | 503 | 840776 11 | 677142 22 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 41 | 41 | 41 | 810 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Aromatic 19F-13C TROSY: a background-free approach to probe biomolecular structure, function, and dynamics. Nature Methods, 2019, 16, 333-340. | 19.0 | 82 |
| 2 | SOCl2/EtOH: Catalytic system for synthesis of chalcones. Catalysis Communications, 2008, 9, 315-316. | 3.3 | 69 |
| 3 | Selective Protein Hyperpolarization in Cell Lysates Using Targeted Dynamic Nuclear Polarization. Angewandte Chemie - International Edition, 2016, 55, 10746-10750. | 13.8 | 66 |
| 4 | Cytotoxic Mannich bases of 6-(3-aryl-2-propenoyl)-2(3H)-benzoxazolones. European Journal of Medicinal Chemistry, 2007, 42, 1382-1387. | 5.5 | 56 |
| 5 | Combretastatin A-4 analogues with benzoxazolone scaffold: Synthesis, structure and biological activity. European Journal of Medicinal Chemistry, 2016, 120, 121-133. | 5.5 | 40 |
| 6 | Synthesis and antioxidant potential of novel synthetic benzophenone analogues. European Journal of Medicinal Chemistry, 2009, 44, 2724-2730. | 5.5 | 32 |
| 7 | Selective Protein Hyperpolarization in Cell Lysates Using Targeted Dynamic Nuclear Polarization. Angewandte Chemie, 2016, 128, 10904-10908. | 2.0 | 19 |
| 8 | IR spectral and structural studies of 4-aminobenzenesulfonamide (sulfanilamide)-d0, -d4, and -15N, as well as their azanions: Combined DFT B3LYP/experimental approach. International Journal of Quantum Chemistry, 2007, 107, 1752-1764. | 2.0 | 18 |
| 9 | A biphenyl inhibitor of eIF4E targeting an internal binding site enables the design of cell-permeable PROTAC-degraders. European Journal of Medicinal Chemistry, 2021, 219, 113435. | 5.5 | 15 |
| 10 | New Efficient Synthesis of Combretastatin A-4 via Colvin Rearrangement. Synthesis, 2011, 2011, 3711-3715. | 2.3 | 14 |
| 11 | Local Deuteration Enables NMR Observation of Methyl Groups in Proteins from Eukaryotic and Cellâ€Free Expression Systems. Angewandte Chemie - International Edition, 2021, 60, 13783-13787. | 13.8 | 13 |
| 12 | New heterocyclic chalcones. Part 6. Synthesis and cytotoxic activities of 5- or 6-(3-aryl-) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 302 Td (2- | 1.2 | 12 |
| 13 | New imidazole derivatives of 2(3H)-benzazolones as potential antifungal agents. Journal of Heterocyclic Chemistry, 2009, 46, 44-48. | 2.6 | 9 |
| 14 | C-Formylation of Some 2(3H)-Benzazolones and 2H-1,4-Benzoxazin-3(4H)-one. Collection of Czechoslovak Chemical Communications, 1997, 62, 494-497. | 1.0 | 8 |
| 15 | New Synthetic Chalcones: Cytotoxic Mannich Bases of 6-(4-Chlorocinnamoyl)-2(3H)-benzoxazolone. Letters in Drug Design and Discovery, 2008, 5, 358-361. | 0.7 | 7 |
| 16 | A Convenient Synthesis of the New Histone Deacetylase Inhibitor Scriptaid. Organic Preparations and Procedures International, 2014, 46, 76-79. | 1.3 | 6 |
| 17 | Synthesis of a new polycyclic heterocyclic ring system. Part III. Benzo[b]imidazo[1,5-d][1,4]oxazepine-1,4(2H,5H)-diones. Heterocyclic Communications, 2017, 23, 23-27. | 1.2 | 6 |
| 18 | Synthesis of Novel Substituted 1,3-diarylpropenone Derivatives and their In Vitro Cytotoxic Activity. Letters in Drug Design and Discovery, 2009, 6, 353-357. | 0.7 | 6 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Direct investigation of the reorientational dynamics of A-site cations in 2D organic-inorganic hybrid perovskite by solid-state NMR. Nature Communications, 2022, 13, 1513. | 12.8 | 6 |
| 20 | Synthesis of Benzo[b]imidazo[1,5-d][1,5]-thiazepines. Derivatives of a Novel Ring System. Synthetic Communications, 2003, 33, 4355-4366. | 2.1 | 5 |
| 21 | AN EFFICIENT APPROACH TO THE IMIDAZO[5,1-c][1,4]BENZOTHIAZINE SKELETON. A NOVEL TRICYCLIC RING SYSTEM. Heterocyclic Communications, 2003, 9, . | 1.2 | 3 |
| 22 | New Heterocyclic Combretastatin A-4 Analogs: Synthesis and Biological Activity of Styryl-2(3H)-benzothiazolones. Pharmaceuticals, 2021, 14, 1331. | 3.8 | 3 |
| 23 | Design, Synthesis and Biological Activity of New Hydroxamic Acids Containing 2-Imidazolylphenyl(oxy/thio)alkanoic Fragment. Current Bioactive Compounds, 2021, 17, 59-66. | 0.5 | 2 |
| 24 | Dimethyl 2-{[2-(methoxycarbonyl)-1-(methoxycarbonylmethyl)pyrrol-4-yl]methylene}propanedioate. Acta Crystallographica Section C: Crystal Structure Communications, 2001, 57, 973-974. | 0.4 | 1 |
| 25 | 3-(2-Oxopropyl)-2(3H)-benzoxazolone. MolBank, 2007, 2007, M552. | 0.5 | 1 |
| 26 | Synthesis of 4-acetyl-2(3H)-benzothiazolone: Sulfur bioisostere of benzoxazolone allelochemicals. Phosphorus, Sulfur and Silicon and the Related Elements, 2017, 192, 905-910. | 1.6 | 1 |
| 27 | (E)-3-Methyl-6-(3-oxo-3-(3,4,5-trimethoxyphenyl)prop-1-en-1-yl)-2(3H)-benzothiazolone. MolBank, 2016, 2016, M907. | 0.5 | 0 |
| 28 | (E)-3-Methyl-6-(3-oxo-3-(thiophen-2-yl)-1-propenyl)-2(3H)-benzothiazolone. MolBank, 2016, 2016, M897. | 0.5 | 0 |
| 29 | 6-[(4-Chlorophenyl)(1H-1,2,4-triazol-1-yl)methyl]-3-methyl-2(3H)-benzoxazolone. MolBank, 2016, 2016, M901. | 0.5 | 0 |
| 30 | Innentitelbild: Selective Protein Hyperpolarization in Cell Lysates Using Targeted Dynamic Nuclear Polarization (Angew. Chem. 36/2016). Angewandte Chemie, 2016, 128, 10682-10682. | 2.0 | 0 |
| 31 | Synthesis, Crystal Structure and Cytotoxic Properties of Nitrocombretastatins (E)- and (Z)-5-(4-Methoxy-3-nitrostyryl)-1,2,3-trimethoxybenzene. Journal of Chemical Crystallography, 2016, 46, 105-112. | 1.1 | 0 |
| 32 | 6-[1-Acetyl-5-(4-methoxyphenyl)-4,5-dihydro-1H-pyrazole-3-yl]-2(3H)-benzoxazolone. MolBank, 2018, 2018, M1021. | 0.5 | 0 |
| 33 | Titelbild: Lokale Deuterierung ermÃ¶glicht NMRâ€Messung von Methylgruppen in Proteinen aus eukaryotischen und Zellâ€freien Expressionssystemen (Angew. Chem. 25/2021). Angewandte Chemie, 2021, 133, 13801-13801. | 2.0 | 0 |
| 34 | Lokale Deuterierung ermÃ¶glicht NMRâ€Messung von Methylgruppen in Proteinen aus eukaryotischen und Zellâ€freien Expressionssystemen. Angewandte Chemie, 2021, 133, 13902-13906. | 2.0 | 0 |