# Pascal Sonnet

List of Publications by Year
in descending order

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| 104 | 2,348 | 201674 | 243625 |
|---|---|---|---|
| papers | citations | 27 | 44 |
| | | h-index | g-index |

| 107 | 107 | 107 | 3565 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Synthesis, Antimalarial Activity, and Molecular Modeling of New Pyrrolo[1,2-a]quinoxalines, Bispyrrolo[1,2-a]quinoxalines, Bispyrido[3,2-e]pyrrolo[1,2-a]pyrazines, and Bispyrrolo[1,2-a]thieno[3,2-e]pyrazines. Journal of Medicinal Chemistry, 2004, 47, 1997-2009. | 6.4 | 151 |
| 2 | Chemistry and Biology of Pyoverdines, Pseudomonas Primary Siderophores. Current Medicinal Chemistry, 2014, 22, 165-186. | 2.4 | 120 |
| 3 | Lysosomal disruption preferentially targets acute myeloid leukemia cells and progenitors. Journal of Clinical Investigation, 2013, 123, 315-328. | 8.2 | 117 |
| 4 | New aromatase inhibitors. Synthesis and biological activity of aryl-substituted pyrrolizine and indolizine derivatives. Bioorganic and Medicinal Chemistry, 2000, 8, 945-955. | 3.0 | 114 |
| 5 | Evaluation of ursolic acid isolated from Ilex paraguariensis and derivatives on aromatase inhibition. European Journal of Medicinal Chemistry, 2008, 43, 1865-1877. | 5.5 | 110 |
| 6 | New ferrocenic pyrrolo[1,2-a]quinoxaline derivatives: Synthesis, and in vitro antimalarial activity â€“ Part II. European Journal of Medicinal Chemistry, 2011, 46, 2310-2326. | 5.5 | 98 |
| 7 | Wnt/Î²-Catenin Signaling Mediates Osteoblast Differentiation Triggered by Peptide-induced Î±5Î²1 Integrin Priming in Mesenchymal Skeletal Cells. Journal of Biological Chemistry, 2015, 290, 6903-6912. | 3.4 | 91 |
| 8 | Drug delivery systems designed to overcome antimicrobial resistance. Medicinal Research Reviews, 2019, 39, 2343-2396. | 10.5 | 64 |
| 9 | Synthesis and Antiplasmodial Activity of Betulinic Acid and Ursolic Acid Analogues. Molecules, 2012, 17, 12003-12014. | 3.8 | 61 |
| 10 | Antimicrobial Peptide K11 Selectively Recognizes Bacterial Biomimetic Membranes and Acts by Twisting Their Bilayers. Pharmaceuticals, 2021, 14, 1. | 3.8 | 54 |
| 11 | Design, synthesis and antimalarial activity of novel bis{N-[(pyrrolo[1,2-a]quinoxalin-4-yl)benzyl]-3-aminopropyl}amine derivatives. Journal of Enzyme Inhibition and Medicinal Chemistry, 2017, 32, 547-563. | 5.2 | 51 |
| 12 | Design, synthesis and biological evaluation of novel 4-alkapolyenylpyrrolo[1,2-a]quinoxalines as antileishmanial agents â€“ Part III. European Journal of Medicinal Chemistry, 2014, 81, 378-393. | 5.5 | 46 |
| 13 | Synthesis and antibacterial activity of catecholateâ€“ciprofloxacin conjugates. Bioorganic and Medicinal Chemistry, 2014, 22, 4049-4060. | 3.0 | 46 |
| 14 | Synthesis of Cone, Partial-Cone, and 1,3-Alternate 25,27-Bis[1-(2-ethyl)hexyl]- and 25,27-Bis[1-(2-tert-butoxy)ethyl]calix[4]arene-crown-6 Conformers as Potential Selective Cesium Extractants. Journal of Organic Chemistry, 2000, 65, 8283-8289. | 3.2 | 44 |
| 15 | Peptideâ€based activation of alpha5 integrin for promoting osteogenesis. Journal of Cellular Biochemistry, 2012, 113, 3029-3038. | 2.6 | 43 |
| 16 | N-methyl-2-pyridone-5-carboxamide (2PY)â€”Major Metabolite of Nicotinamide: An Update on an Old Uremic Toxin. Toxins, 2016, 8, 339. | 3.4 | 42 |
| 17 | Pharmacomodulation on the 3-acetylursolic acid skeleton: Design, synthesis, and biological evaluation of novel N-{3-[4-(3-aminopropyl)piperazinyl]propyl}-3-O-acetylursolamide derivatives as antimalarial agents. Bioorganic and Medicinal Chemistry, 2008, 16, 771-782. | 3.0 | 39 |
| 18 | Prevalence of efflux-mediated ciprofloxacin and levofloxacin resistance in recent clinical isolates of Pseudomonas aeruginosa and its reversal by the efflux pump inhibitors 1-(1-naphthylmethyl)-piperazine and phenylalanine-arginine-Î²-naphthylamide. International Journal of Antimicrobial Agents, 2012, 39, 77-80. | 2.5 | 39 |

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|---|---|---|---|
| 19 | Synthesis and evaluation of the cytotoxic activity of novel ethyl 4-[4-(4-substitutedpiperidin-1-yl)]benzyl-phenylpyrrolo[1,2-a]quinoxaline-carboxylate derivatives in myeloid and lymphoid leukemia cell lines. European Journal of Medicinal Chemistry, 2016, 113, 214-227. | 5.5 | 37 |
| 20 | Phenolic Content, Antioxidant and Antimicrobial Activities of Two Fruit Varieties of Algerian Ficus carica L. Journal of Food Biochemistry, 2014, 38, 207-215. | 2.9 | 36 |
| 21 | Peptide-based mediated disruption of N-cadherin-LRP5/6 interaction promotes Wnt signaling and bone formation. Journal of Bone and Mineral Research, 2012, 27, 1852-1863. | 2.8 | 34 |
| 22 | Quorum Sensing Inhibitors to Quench P. aeruginosa Pathogenicity. Pharmaceuticals, 2021, 14, 1262. | 3.8 | 33 |
| 23 | Oligogalacturonic Acid Inhibits Vascular Calcification by Two Mechanisms. Arteriosclerosis, Thrombosis, and Vascular Biology, 2017, 37, 1391-1401. | 2.4 | 32 |
| 24 | Synthesis and evaluation of the antiproliferative activity of novel isoindolo[2,1-a]quinoxaline and indolo[1,2-a]quinoxaline derivatives. Journal of Enzyme Inhibition and Medicinal Chemistry, 2011, 26, 657-667. | 5.2 | 31 |
| 25 | Synthesis and Antiproliferative Effect of Ethyl 4â€[4â€(4â€Substituted) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 507 Td (Piperidin ChemMedChem, 2017, 12, 940-953. | 3.2 | 30 |
| 26 | Evidence for new non-steroidal human aromatase inhibitors and comparison with equine aromatase inhibition for an understanding of the mammalian active site. European Journal of Medicinal Chemistry, 1998, 33, 451-462. | 5.5 | 29 |
| 27 | Synthesis and preliminary evaluation of new ursolic and oleanolic acids derivatives as antileishmanial agents. Journal of Enzyme Inhibition and Medicinal Chemistry, 2008, 23, 604-610. | 5.2 | 29 |
| 28 | Differences in anti-malarial activity of 4-aminoalcohol quinoline enantiomers and investigation of the presumed underlying mechanism of action. Malaria Journal, 2012, 11, 65. | 2.3 | 27 |
| 29 | N-Cadherin/Wnt Interaction Controls Bone Marrow Mesenchymal Cell Fate and Bone Mass During Aging. Journal of Cellular Physiology, 2014, 229, 1765-1775. | 4.1 | 27 |
| 30 | Evaluation of the phytoremediation potential of Arundo donax L. for nickel-contaminated soil. International Journal of Phytoremediation, 2017, 19, 377-386. | 3.1 | 25 |
| 31 | New efficient enantioselective synthesis of 2-oxopiperazines: a practical access to chiral 3-substituted 2-oxopiperazines. Tetrahedron: Asymmetry, 2008, 19, 1689-1697. | 1.8 | 23 |
| 32 | Inhibitory effect of ursolic acid derivatives on hydrogen peroxide- and glutathione-mediated degradation of hemin: A possible additional mechanism of action for antimalarial activity. Experimental Parasitology, 2010, 125, 202-207. | 1.2 | 22 |
| 33 | Synthesis of Isosteric Triterpenoid Derivatives and Antifungal Activity. Chemical Biology and Drug Design, 2014, 83, 344-349. | 3.2 | 21 |
| 34 | Synthesis and Antimalarial Activity of New Enantiopure Aminoalcoholpyrrolo[ 1,2-a]quinoxalines. Medicinal Chemistry, 2018, 14, 293-303. | 1.5 | 21 |
| 35 | Synthesis and Cesium Binding Affinity of New 25,27-Bis(alkyloxy)calix[4]arene-crown-6 Conformers in Relation to the Alkyl Pendent Moiety. Supramolecular Chemistry, 2002, 14, 437-451. | 1.2 | 20 |
| 36 | Modulation of cell proliferation in rat liver cell cultures by new calix[4]arenes. Journal of Enzyme Inhibition and Medicinal Chemistry, 2006, 21, 261-270. | 5.2 | 20 |

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|---|---|---|---|
| 37 | First enantioselective synthesis of 4-aminoalcohol quinoline derivatives through a regioselective SN2 epoxide opening mechanism. Tetrahedron: Asymmetry, 2011, 22, 138-148. | 1.8 | 20 |
| 38 | Design, synthesis, and antiprotozoal evaluation of new 2,9â€bis[(substitutedâ€aminomethyl)phenyl]â€1,10â€phenanthroline derivatives. Chemical Biology and Drug Design, 2018, 91, 974-995. | 3.2 | 20 |
| 39 | Antithrombotic effect of the type III collagen-related octapeptide (KOGEOGPK) in the mouse. Vascular Pharmacology, 2006, 44, 42-49. | 2.1 | 18 |
| 40 | Antimalarial Drug Discovery: From Quinine to the Most Recent Promising Clinical Drug Candidates. Current Medicinal Chemistry, 2022, 29, 3326-3365. | 2.4 | 18 |
| 41 | MR 20492 and MR 20494: two indolizinone derivatives that strongly inhibit human aromatase. Journal of Steroid Biochemistry and Molecular Biology, 1999, 70, 59-71. | 2.5 | 17 |
| 42 | First synthesis of segetalin A and analogous cyclohexapeptides. Tetrahedron Letters, 2001, 42, 1681-1683. | 1.4 | 17 |
| 43 | Absolute Configuration and Antimalarial Activity of erythroâ€Mefloquine Enantiomers. ChemPlusChem, 2013, 78, 642-646. | 2.8 | 17 |
| 44 | Biologically active carbazole derivatives: focus on oxazinocarbazoles and related compounds. Journal of Enzyme Inhibition and Medicinal Chemistry, 2015, 30, 180-188. | 5.2 | 17 |
| 45 | The platelet receptor for type III collagen (TIIICBP) is present in platelet membrane lipid microdomains (rafts). Histochemistry and Cell Biology, 2006, 125, 407-417. | 1.7 | 16 |
| 46 | Antiproliferative effect on HepaRG cell cultures of new calix[4]arenes. Journal of Enzyme Inhibition and Medicinal Chemistry, 2010, 25, 216-227. | 5.2 | 16 |
| 47 | Anti-mycotoxin Effect and Antifungal Properties of Essential Oil from Ammodaucus leucotrichus Coss. & Dur. on Aspergillus flavus and Aspergillus ochraceus. Journal of Essential Oil-bearing Plants: JEOP, 2017, 20, 36-44. | 1.9 | 14 |
| 48 | Design, synthesis, and antiprotozoal evaluation of new 2,4-bis[(substituted-aminomethyl)phenyl]quinoline, 1,3-bis[(substituted-aminomethyl)phenyl]isoquinoline and 2,4-bis[(substituted-aminomethyl)phenyl]quinazoline derivatives. Journal of Enzyme Inhibition and Medicinal Chemistry, 2020, 35, 432-459. | 5.2 | 14 |
| 49 | First synthesis of segetalins B and G: two cyclopentapeptides with estrogen-like activity. Tetrahedron Letters, 2003, 44, 3293-3296. | 1.4 | 13 |
| 50 | Antiproliferative effect on HepaRG cell cultures of new calix[4]arenes. Part II. Journal of Enzyme Inhibition and Medicinal Chemistry, 2011, 26, 204-215. | 5.2 | 13 |
| 51 | A new sensitive organic/inorganic hybrid material based on titanium oxide for the potentiometric detection of iron(III). Journal of Colloid and Interface Science, 2012, 388, 130-136. | 9.4 | 13 |
| 52 | Circular dichroism studies of type III collagen mimetic peptides with anti- or pro-aggregant activities on human platelets. European Journal of Medicinal Chemistry, 2009, 44, 2643-2650. | 5.5 | 12 |
| 53 | Antibacterial and antioxidant activities of the essential oils and phenolic extracts of Myrtus communis and Zygophylum album from Algeria. Journal of Fundamental and Applied Sciences, 2016, 8, 510. | 0.2 | 12 |
| 54 | In vitro antimalarial activity of ICL670: A further proof of the correlation between inhibition of Î²-hematin formation and of peroxidative degradation of hemin. Experimental Parasitology, 2011, 128, 26-31. | 1.2 | 11 |

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|---|---|---|---|
| 55 | Simple, versatile and highly diastereoselective synthesis of 1,3,4-trisubstituted-2-oxopiperazine-containing peptidomimetic precursors. Organic and Biomolecular Chemistry, 2005, 3, 787. | 2.8 | 10 |
| 56 | The antibacterial effect of two medicinal plants <i>Inula viscosa</i>, <i>Anacyclus valentinus</i> (Asteraceae) and their synergistic interaction with antibiotic drugs. Journal of Fundamental and Applied Sciences, 2016, 8, 244. | 0.2 | 10 |
| 57 | A convenient route to new phenyltetrahydroindolizines. Journal of Heterocyclic Chemistry, 1996, 33, 1689-1694. | 2.6 | 9 |
| 58 | Efficient enantioselective synthesis of 2-substituted thiomorpholin-3-ones. Tetrahedron: Asymmetry, 2003, 14, 3401-3405. | 1.8 | 9 |
| 59 | Response surface modeling of acid activation of raw diatomite using in sunflower oil bleaching by: Boxâ€“Behnken experimental design. Journal of Food Science and Technology, 2015, 52, 1677-1683. | 2.8 | 9 |
| 60 | A review of current and promising nontuberculous mycobacteria antibiotics. Future Medicinal Chemistry, 2021, 13, 1367-1395. | 2.3 | 9 |
| 61 | The Beckmann Rearrangement Applied to Ursolic Acid with Antimalarial Activity in Medicinal Chemistry Studies. Letters in Organic Chemistry, 2012, 9, 92-95. | 0.5 | 9 |
| 62 | First Synthesis of 1,3-Alternate 25,27-Dialkyloxy-5,17-diarylcalix[4]arenes-crown-6 as New Cesium Selective Extractants by Suzuki Cross-coupling Reaction. Supramolecular Chemistry, 2004, 16, 319-329. | 1.2 | 8 |
| 63 | Synthesis, Physicochemical Studies, Molecular Dynamics Simulations, and Metalâ€Ionâ€Dependent Antiproliferative and Antiangiogenic Properties of Cone ICL670â€Substituted Calix[4]arenes. ChemPlusChem, 2012, 77, 1001-1016. | 2.8 | 8 |
| 64 | Synthesis, iron(III) complexation properties, molecular dynamics simulations and P.Âaeruginosa siderophore-like activity of two pyoverdine analogs. European Journal of Medicinal Chemistry, 2017, 137, 338-350. | 5.5 | 8 |
| 65 | GFOGER Peptide Modifies the Protein Content of Extracellular Vesicles and Inhibits Vascular Calcification. Frontiers in Cell and Developmental Biology, 2020, 8, 589761. | 3.7 | 8 |
| 66 | Advances in â€˜Trojan horseâ€™Âstrategies in antibiotic delivery systems. Future Medicinal Chemistry, 2020, 12, 983-986. | 2.3 | 8 |
| 67 | Distribution of coumarins in the tribe Plucheeae, genus Pterocaulon. Chemistry of Natural Compounds, 2007, 43, 691-693. | 0.8 | 7 |
| 68 | Efficient synthesis of amino-protected calix[4]arenes selectively functionalized with iron chelator ICL670 designed as platform for iron recognition. Tetrahedron, 2011, 67, 2916-2924. | 1.9 | 7 |
| 69 | Asymmetric synthesis of new antimalarial aminoquinolines through Sharpless aminohydroxylation. Tetrahedron: Asymmetry, 2016, 27, 1-11. | 1.8 | 7 |
| 70 | Study of Iron Piperazine-Based Chelators as Potential Siderophore Mimetics. Pharmaceuticals, 2019, 12, 160. | 3.8 | 7 |
| 71 | Enantiopure substituted pyridines as promising antimalarial drug candidates. Tetrahedron, 2020, 76, 131088. | 1.9 | 7 |
| 72 | Design, Synthesis and Antimalarial Activity of Some New Aminoalcoholpyrrolo[1,2-a]quinoxaline Derivatives. Letters in Drug Design and Discovery, 2016, 13, 932-942. | 0.7 | 7 |

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|---|---|---|---|
| 73 | Calix[4]arene-modified silica nanoparticles for the potentiometric detection of iron (III) in aqueous solution. Comptes Rendus Chimie, 2012, 15, 290-297. | 0.5 | 6 |
| 74 | Enantiomerically pure amino-alcohol quinolines: in vitro anti-malarial activity in combination with dihydroartemisinin, cytotoxicity and in vivo efficacy in a Plasmodium berghei mouse model. Malaria Journal, 2014, 13, 407. | 2.3 | 6 |
| 75 | Selectivity of pyoverdine recognition by the FpvA receptor of Pseudomonas aeruginosa from molecular dynamics simulations. Physical Chemistry Chemical Physics, 2015, 17, 18022-18034. | 2.8 | 6 |
| 76 | The impact of phosphatidylserine exposure on cancer cell membranes on the activity of the anticancer peptide HB43. FEBS Journal, 2022, 289, 1984-2003. | 4.7 | 6 |
| 77 | The potential of antifungal peptide Sesquin as natural food preservative. Biochimie, 2022, 203, 51-64. | 2.6 | 6 |
| 78 | Type III collagen mimetic peptides designed with anti- or pro-aggregant activities on human platelets. European Journal of Medicinal Chemistry, 2007, 42, 694-701. | 5.5 | 5 |
| 79 | Side chain length is more important than stereochemistry in the antibacterial activity of enantiomerically pure 4-aminoalcohol quinoline derivatives. Journal of Antibiotics, 2013, 66, 683-686. | 2.0 | 5 |
| 80 | Multifunctional diamine AGE/ALE inhibitors with potential therapeutical properties against Alzheimer's disease. European Journal of Medicinal Chemistry, 2016, 122, 702-722. | 5.5 | 5 |
| 81 | Ironing out pyoverdineâ€™s chromophore structure: serendipity or design?. Journal of Biological Inorganic Chemistry, 2019, 24, 659-673. | 2.6 | 5 |
| 82 | A novel multi-target strategy to attenuate the progression of Parkinson's disease by diamine hybrid AGE/ALE inhibitor. Future Medicinal Chemistry, 2021, 13, 2185-2200. | 2.3 | 5 |
| 83 | Hydroxypyridinone-Diamine Hybrids as Potential Neuroprotective Agents in the PC12 Cell-Line Model of Alzheimer's Disease. Pharmaceuticals, 2019, 12, 162. | 3.8 | 4 |
| 84 | Synthesis of 1H-3-{4-[(3-Dimethylaminopropyl)aminomethyl]phenyl}-2-phenylindole and Evaluation of Its Antiprotozoal Activity. MolBank, 2019, 2019, M1060. | 0.5 | 4 |
| 85 | Efflux Pump Overexpression Profiling in Acinetobacter baumannii and Study of New 1-(1-Naphthylmethyl)-Piperazine Analogs as Potential Efflux Inhibitors. Antimicrobial Agents and Chemotherapy, 2021, 65, e0071021. | 3.2 | 4 |
| 86 | Ab Initio Study of the (5R)- and (5S)-TT Pyrimidine h5(6â^'4) Pyrimidone Photoproducts. Implications on the Design of New Biologically Relevant Analogues. Journal of Organic Chemistry, 2002, 67, 9140-9145. | 3.2 | 3 |
| 87 | Triterpenes and new saponins from Ilex chamaedryfolia: chemotaxonomic tool to ilex species differentiation. Quimica Nova, 2011, 34, 222-225. | 0.3 | 3 |
| 88 | Influence of the insertion of a cationic peptide on the size and shape of nanoliposomes: A light scattering investigation. International Journal of Pharmaceutics, 2013, 454, 621-624. | 5.2 | 3 |
| 89 | Antioxidant Properties of Phenolic Compounds from Baccharis articulata and B. usterii. Natural Product Communications, 2014, 9, 1934578X1400900. | 0.5 | 3 |
| 90 | Effects of 3G cell phone exposure on the structure and function of the human cytochrome P450 reductase. Bioelectrochemistry, 2016, 111, 62-69. | 4.6 | 3 |

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|---|---|---|---|
| 91 | Synthesis and Study of New Quinolineaminoethanols as Anti-Bacterial Drugs. Pharmaceuticals, 2019, 12, 91. | 3.8 | 3 |
| 92 | The Influence of Short Motifs on the Anticancer Activity of HB43 Peptide. Pharmaceutics, 2022, 14, 1089. | 4.5 | 3 |
| 93 | Î²-Hematin Crystal Formation: New Insights from Molecular Dynamics Simulations of Small Clusters in Condensed Phase. Crystal Growth and Design, 2016, 16, 2249-2259. | 3.0 | 2 |
| 94 | Crystal structure and identification of a pyrimido[6,1-b][1,3]oxazin-6-one derivative from the reaction of acrolein with 5-(phenoxymethyl)-2-amino-2-oxazoline. Comptes Rendus Chimie, 2018, 21, 987-992. | 0.5 | 2 |
| 95 | Title is missing!. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2001, 40, 239-242. | 1.6 | 1 |
| 96 | Synthesis of 4-Thiouracil KPGEPGPK Analogues as Potential TIIICBP Identification Tools. International Journal of Peptide Research and Therapeutics, 2010, 16, 257-266. | 1.9 | 1 |
| 97 | Crystal Structure of 2,8-Bis(trifluoromethyl)-4-vinylquinoline. X-ray Structure Analysis Online, 2018, 34, 15-16. | 0.2 | 1 |
| 98 | Crystal Structure of 1-(3-Ferrocenyl-2-methylpyrrolo[1,2-<i>a</i>]quinoxalin-4-yl)piperazin-4-ium Chloride. X-ray Structure Analysis Online, 2021, 37, 65-67. | 0.2 | 1 |
| 99 | Efficient Enantioselective Synthesis of 2-Substituted Thiomorpholin-3-ones.. ChemInform, 2004, 35, no. | 0.0 | 0 |
| 100 | Crystal Structure of Bis{N-(pyrrolo[1,2-a]quinoxalin-4-yl)-3-aminopropyl}piperazine. Analytical Sciences: X-ray Structure Analysis Online, 2005, 21, X209-X210. | 0.1 | 0 |
| 101 | FAST AND CHEMOSELECTIVE N-DEBENZYLATION ROUTE TO CHIRAL 2-SUBSTITUTED THIOMORPHOLIN-3-ONES. Heterocyclic Communications, 2005, 11, . | 1.2 | 0 |
| 102 | The Reactivity of Related 6-Amino- and 5,6-Diaminouracils Derived from 2-Amino-5-(phenoxymethyl)-2-oxazoline: Efficient Access to Bicyclic Pyrimidine Derivatives. Synthesis, 2007, 2007, 2193-2197. | 2.3 | 0 |
| 103 | The origin of the stereoselective alkylation of 3-substituted-2-oxopiperazines: A computational investigation. Computational and Theoretical Chemistry, 2016, 1078, 1-8. | 2.5 | 0 |
| 104 | Chemical Composition of Essential Oil from Atriplex lentiformis Leaves. Chemistry of Natural Compounds, 2018, 54, 772-773. | 0.8 | 0 |