

# AleÅ; Machara

## List of Publications by Year in descending order

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Version: 2024-02-01

24  
papers

438  
citations

759233

12  
h-index

752698

20  
g-index

26  
all docs

26  
docs citations

26  
times ranked

610  
citing authors

#	ARTICLE	IF	CITATIONS
1	Understanding desaturation/hydroxylation activity of castor stearoyl $\Delta^9$ -Desaturase through rational mutagenesis. <i>Computational and Structural Biotechnology Journal</i> , 2022, 20, 1378-1388.	4.1	3
2	structural characterization of the interaction between the C-terminal domain of the influenza polymerase PA subunit and an optimized small peptide inhibitor. <i>Antiviral Research</i> , 2021, 185, 104971.	4.1	5
3	Putative ligand binding sites of two functionally characterized bark beetle odorant receptors. <i>BMC Biology</i> , 2021, 19, 16.	3.8	46
4	Synthesis and In Vitro Evaluation of C-7 and C-8 Luteolin Derivatives as Influenza Endonuclease Inhibitors. <i>International Journal of Molecular Sciences</i> , 2021, 22, 7735.	4.1	7
5	Unraveling the anti-influenza effect of flavonoids: Experimental validation of luteolin and its congeners as potent influenza endonuclease inhibitors. <i>European Journal of Medicinal Chemistry</i> , 2020, 208, 112754.	5.5	21
6	Investigation of flexibility of neuraminidase 150-loop using tamiflu derivatives in influenza A viruses H1N1 and H5N1. <i>Bioorganic and Medicinal Chemistry</i> , 2019, 27, 2935-2947.	3.0	15
7	DNA-linked inhibitor antibody assay (DIANA) as a new method for screening influenza neuraminidase inhibitors. <i>Biochemical Journal</i> , 2018, 475, 3847-3860.	3.7	5
8	Identification and Enantiodivergent Synthesis of (5 <i>Z</i> ,9 <i>S</i> )-Tetradec-5-en-9-olide, a Queen-Specific Volatile of the Termite <i>Silvestritermes minutus</i> . <i>Journal of Natural Products</i> , 2018, 81, 2266-2274.	3.0	16
9	Kinetic, Thermodynamic, and Structural Analysis of Drug Resistance Mutations in Neuraminidase from the 2009 Pandemic Influenza Virus. <i>Viruses</i> , 2018, 10, 339.	3.3	17
10	Palladium(II) Complexes of Homologated Ferrocene Phosphanylether and Thioether Ligands. <i>European Journal of Inorganic Chemistry</i> , 2017, 2017, 4850-4860.	2.0	16
11	Kinetic, thermodynamic and structural analysis of tamiphosphor binding to neuraminidase of H1N1 (2009) pandemic influenza. <i>European Journal of Medicinal Chemistry</i> , 2016, 121, 100-109.	5.5	9
12	Synthesis of Nororipavine and Noroxymorphone via N- and O-Demethylation of Iron Tricarbonyl Complex of Thebaine. <i>Synthesis</i> , 2016, 48, 1803-1813.	2.3	9
13	A Modular Synthesis of <i>N</i> -Benzotriazole Ureas Using Alkylation of 5-Nitrobenzotriazole. <i>ChemistrySelect</i> , 2016, 1, 101-107.	1.5	6
14	Direct Synthesis of Noroxymorphone from Thebaine: Unusual Ce <sup>IV</sup> Oxidation of a Methoxydiene-Iron Complex to an Enone-Iron Nitrate. <i>European Journal of Organic Chemistry</i> , 2016, 2016, 1500-1503.	2.4	9
15	Synthesis and evaluation of 2-pyridinylpyrimidines as inhibitors of HIV-1 structural protein assembly. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2016, 26, 3487-3490.	2.2	4
16	Reinvestigation of acetylation of 3,4-dihydroxybenzaldehyde and reconciliation of previously reported analytical data. <i>Tetrahedron Letters</i> , 2016, 57, 1019-1021.	1.4	1
17	Specific Inhibitors of HIV Capsid Assembly Binding to the C-Terminal Domain of the Capsid Protein: Evaluation of 2-Arylquinazolines as Potential Antiviral Compounds. <i>Journal of Medicinal Chemistry</i> , 2016, 59, 545-558.	6.4	39
18	Synthesis of Naltrexone and (R)-Methylnaltrexone from Oripavine via Direct Oxidation of Its Quaternary Salts. <i>Synlett</i> , 2015, 26, 2101-2108.	1.8	10

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19	Conversion of Thebaine to Oripavine and Other Useful Intermediates for the Semisynthesis of Opiate-Derived Agents: Synthesis of Hydromorphone. <i>Advanced Synthesis and Catalysis</i> , 2014, 356, 2679-2687.	4.3	12
20	Unexpected N-Demethylation of Oxymorphone and Oxycodone N-Oxides Mediated by the Burgess Reagent: Direct Synthesis of Naltrexone, Naloxone, and Other Antagonists from Oxymorphone. <i>Advanced Synthesis and Catalysis</i> , 2012, 354, 2706-2712.	4.3	21
21	Direct Synthesis of Naltrexone by Palladium-Catalyzed N-Demethylation/Acylation of Oxymorphone: The Benefit of C-H Activation and the Intramolecular Acyl Transfer from C-4 Hydroxy. <i>Advanced Synthesis and Catalysis</i> , 2012, 354, 2713-2718.	4.3	27
22	Improved Synthesis of Buprenorphine from Thebaine and/or Oripavine via Palladium-Catalyzed N-Demethylation/Acylation and/or Concomitant O-Demethylation. <i>Advanced Synthesis and Catalysis</i> , 2012, 354, 613-626.	4.3	38
23	Synthesis of Buprenorphine from Oripavine via N-Demethylation of Oripavine Quaternary Salts. <i>Journal of Organic Chemistry</i> , 2011, 76, 4628-4634.	3.2	38
24	Short Chemoenzymatic Azide-Free Synthesis of Osetamivir (Tamiflu): Approaching the Potential for Process Efficiency. <i>Advanced Synthesis and Catalysis</i> , 2010, 352, 195-200.	4.3	64