Mohamed Reda Aouad

List of Publications by Year
in descending order

73	1,476	304368	377514
papers	citations	22 h-index	34 g-index

78	78	78	1163
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Weight Loss, Electrochemical, Quantum Chemical Calculation, and Molecular Dynamics Simulation Studies on 2-(Benzylthio)-1,4,5-triphenyl-1H-imidazole as an Inhibitor for Carbon Steel Corrosion in Hydrochloric Acid. Industrial & Engineering Chemistry Research, 2013, 52, 14315-14327.	1.8	71
2	Synthesis of Novel 2,5-Disubstituted-1,3,4-thiadiazoles Clubbed 1,2,4-Triazole, 1,3,4-Thiadiazole, 1,3,4-Oxadiazole and/or Schiff Base as Potential Antimicrobial and Antiproliferative Agents. Molecules, 2015, 20, 16048-16067.	1.7	70
3	Novel scaffold hopping of potent benzothiazole and isatin analogues linked to 1,2,3-triazole fragment that mimic quinazoline epidermal growth factor receptor inhibitors: Synthesis, antitumor and mechanistic analyses. Bioorganic Chemistry, 2020, 103, 104133.	2.0	53
4	Design, Synthesis, Molecular Modeling, Anticancer Studies, and Density Functional Theory Calculations of 4-(1,2,4-Triazol-3-ylsulfanylmethyl)-1,2,3-triazole Derivatives. ACS Omega, 2021, 6, 301-316.	1.6	53
5	Design, click synthesis, anticancer screening and docking studies of novel benzothiazole-1,2,3-triazoles appended with some bioactive benzofused heterocycles. Journal of Molecular Structure, 2019, 1188, 153-164.	1.8	52
6	Design, synthesis, DNA binding, modeling, anticancer studies and DFT calculations of Schiff bases tethering benzothiazole-1,2,3-triazole conjugates. Journal of Molecular Structure, 2021, 1225, 129148.	1.8	52
7	Design, synthesis, in silico and in vitro antimicrobial screenings of novel 1,2,4-triazoles carrying 1,2,3-triazole scaffold with lipophilic side chain tether. Chemistry Central Journal, 2017, 11, 117.	2.6	49
8	Design, synthesis, ADME prediction and pharmacological evaluation of novel benzimidazole-1,2,3-triazole-sulfonamide hybrids as antimicrobial and antiproliferative agents. Chemistry Central Journal, 2018, 12, 110.	2.6	49
9	Microwave-assisted synthesis of novel imidazolium, pyridinium and pyridazinium-based ionic liquids and/or salts and prediction of physico-chemical properties for their toxicity and antibacterial activity. Journal of Molecular Liquids, 2018, 249, 747-753.	2.3	48
10	Design, Synthesis and Anticancer Screening of Novel Benzothiazole-Piperazine-1,2,3-Triazole Hybrids. Molecules, 2018, 23, 2788.	1.7	46
11	Single proton intramigration in novel 4-phenyl-3-((4-phenyl-1H-1,2,3-triazol-1-yl)methyl)-1H-1,2,4-triazole-5(4H)-thione: XRD-crystal interactions, physicochemical, thermal, Hirshfeld surface, DFT realization of thiol/thione tautomerism. Journal of Molecular Liquids, 2018, 264, 621-630.	2.3	43
12	Synthesis, Characterization, DNA Binding, Anticancer, and Molecular Docking Studies of Novel Imidazolium-Based Ionic Liquids with Fluorinated Phenylacetamide Tethers. ACS Omega, 2020, 5, 4807-4815.	1.6	39
13	Tailoring of some novel bis-hydrazone metal chelates, spectral based characterization and DFT calculations for pharmaceutical applications and in-silico treatments for verification. Journal of Molecular Structure, 2022, 1264, 133263.	1.8	36
14	Synthesis, characterization, and POM analysisÂof novel bioactive imidazolium-based ionic liquids. Medicinal Chemistry Research, 2015, 24, 1387-1395.	1.1	35
15	Design of molecular hybrids of phthalimide-triazole agents with potent selective MCF-7/HepG2 cytotoxicity: Synthesis, EGFR inhibitory effect, and metabolic stability. Bioorganic Chemistry, 2021, 111, 104835.	2.0	34
16	Hydrophobic pocket docking, double-proton prototropic tautomerism in contradiction to single-proton transfer in thione â‡”thiol Schiff base with triazole-thione moiety: Green synthesis, XRD and DFT-analysis. Journal of Molecular Structure, 2019, 1180, 455-461.	1.8	30
17	Design, click conventional and microwave syntheses, DNA binding, docking and anticancer studies of benzotriazole-1,2,3-triazole molecular hybrids with different pharmacophores. Journal of Molecular Structure, 2021, 1225, 129192.	1.8	30
18	New Eco-Friendly 1-Alkyl-3-(4-phenoxybutyl) Imidazolium-Based Ionic Liquids Derivatives: A Green Ultrasound-Assisted Synthesis, Characterization, Antibacterial Activity and POM Analyses. Molecules, 2014, 19, 11741-11759.	1.7	28

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19	A Profile of the In Vitro Anti-Tumor Activity and In Silico ADME Predictions of Novel Benzothiazole Amide-Functionalized Imidazolium Ionic Liquids. International Journal of Molecular Sciences, 2019, 20, 2865.	1.8	28
20	An Eco-Friendly Ultrasound-Assisted Synthesis of Novel Fluorinated Pyridinium Salts-Based Hydrazones and Antimicrobial and Antitumor Screening. International Journal of Molecular Sciences, 2016, 17, 766.	1.8	27
21	Click Synthesis and Antimicrobial Screening of Novel Isatin-1,2,3-Triazoles with Piperidine, Morpholine, or Piperazine Moieties. Organic Preparations and Procedures International, 2017, 49, 216-227.	0.6	27
22	A novel dicationic ionic liquids encompassing pyridinium hydrazone-phenoxy conjugates as antimicrobial agents targeting diverse high resistant microbial strains. Journal of Molecular Liquids, 2019, 284, 431-444.	2.3	27
23	Liquidâ€“liquid extraction of metal ions, DFT and TD-DFT analysis of some 1,2,4-triazole Schiff Bases with high selectivity for Pb(II) and Fe(II). Journal of Molecular Structure, 2016, 1113, 99-107.	1.8	24
24	Design, synthesis, in-silico and in-vitro evaluation of di-cationic pyridinium ionic liquids as potential anticancer scaffolds. Journal of Molecular Liquids, 2018, 265, 428-441.	2.3	24
25	Green ultrasound-assisted three-component click synthesis of novel 1H-1,2,3-triazole carrying benzothiazoles and fluorinated-1,2,4-triazole conjugates and their antimicrobial evaluation. Acta Pharmaceutica, 2017, 67, 309-324.	0.9	23
26	Click 1,4-regioselective synthesis, characterization, and antimicrobial screening of novel 1,2,3-triazoles tethering fluorinated 1,2,4-triazole and lipophilic side chain. Research on Chemical Intermediates, 2017, 43, 995-1011.	1.3	23
27	Novel 1,2,3â€Triazole Derivatives as Potential Inhibitors against Covidâ€19 Main Protease: Synthesis, Characterization, Molecular Docking and DFT Studies. ChemistrySelect, 2021, 6, 3468-3486.	0.7	23
28	New 1,2,3-Triazole Scaffold Schiff Bases as Potential Anti-COVID-19: Design, Synthesis, DFT-Molecular Docking, and Cytotoxicity Aspects. Vaccines, 2021, 9, 1012.	2.1	23
29	Introducing of acyclonucleoside analogues tethered 1,2,4-triazole as anticancer agents with dual epidermal growth factor receptor kinase and microtubule inhibitors. Bioorganic Chemistry, 2020, 94, 103446.	2.0	22
30	Microwave-Assisted Synthesis of Some Potential Bioactive Imidazolium-Based Room-Temperature Ionic Liquids. Molecules, 2018, 23, 1727.	1.7	21
31	Microwave and conventional synthesis of ester based dicationic pyridinium ionic liquids carrying hydrazone linkage: DNA binding, anticancer and docking studies. Journal of Molecular Structure, 2020, 1207, 127756.	1.8	21
32	Identification of new pyridinium ionic liquids tagged with Schiff bases: Design, synthesis, in silico ADMET predictions and biological evaluations. Journal of Molecular Liquids, 2018, 264, 367-374.	2.3	20
33	Novel pyridinium based ionic liquids with amide tethers: Microwave assisted synthesis, molecular docking and anticancer studies. Journal of Molecular Liquids, 2019, 285, 790-802.	2.3	20
34	Synthesis and characterization of some novel 1,2,4-triazoles, 1,3,4-thiadiazoles and Schiff bases incorporating imidazole moiety as potential antimicrobial agents. Acta Pharmaceutica, 2015, 65, 117-132.	0.9	19
35	Synthesis, Characterization and Antimicrobial Evaluation of Some New Schiff, Mannich and Acetylenic Mannich Bases Incorporating a 1,2,4-Triazole Nucleus. Molecules, 2014, 19, 18897-18910.	1.7	18
36	Discovery of triaromatic flexible agents bearing 1,2,3-Triazole with selective and potent anti-breast cancer activity and CDK9 inhibition supported by molecular dynamics. Journal of Molecular Structure, 2022, 1249, 131568.	1.8	18

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37	Synthesis, Characterization, DNA Binding, Docking, and Anticancer Studies of Novel Bisâ€1,2,3â€triazoles Phthalonitrile. ChemistrySelect, 2020, 5, 11347-11353.	0.7	17
38	Design and Synthesis of Novel Imidazole Derivatives Possessing Triazole Pharmacophore with Potent Anticancer Activity, and In Silico ADMET with GSK-3Î² Molecular Docking Investigations. International Journal of Molecular Sciences, 2021, 22, 1162.	1.8	17
39	Regioselectivity in the glycosylation of 5-(3-chlorobenzo[b]thien-2-yl)-4H-1,2,4-triazole-3-thiol. Carbohydrate Research, 2009, 344, 725-733.	1.1	16
40	Halting Tumor Progression via Novel Non-Hydroxamate Triazole-Based Mannich Bases MMP-2/9 Inhibitors; Design, Microwave-Assisted Synthesis, and Biological Evaluation. International Journal of Molecular Sciences, 2021, 22, 10324.	1.8	16
41	Anti-COVID-19 activity of some benzofused 1,2,3-triazolesulfonamide hybrids using in silico and in vitro analyses. Chemometrics and Intelligent Laboratory Systems, 2021, 217, 104421.	1.8	16
42	Green Ultrasound versus Conventional Synthesis and Characterization of Specific Task Pyridinium Ionic Liquid Hydrazones Tethering Fluorinated Counter Anions: Novel Inhibitors of Fungal Ergosterol Biosynthesis. Molecules, 2017, 22, 1532.	1.7	15
43	Regioselectivity of the reactions of 4,5â€diphenylimidazoleâ€2â€thione with 1â€chloroâ€2,3â€epoxyâ€propane and 1â€bromoâ€propene, efficient precursors for imidazo[2,1â€b]thiazine and thiazole. Effect of microwave and solid support. Journal of Heterocyclic Chemistry, 2008, 45, 1321-1327.	1.4	12
44	Novel amphiphilic pyridinium ionic liquids-supported Schiff bases: ultrasound assisted synthesis, molecular docking and anticancer evaluation. Chemistry Central Journal, 2018, 12, 118.	2.6	12
45	Novel Hybrid 1,2,4- and 1,2,3-Triazoles Targeting Mycobacterium Tuberculosis Enoyl Acyl Carrier Protein Reductase (InhA): Design, Synthesis, and Molecular Docking. International Journal of Molecular Sciences, 2022, 23, 4706.	1.8	12
46	Synthesis, Characterization and Nanoformulation of Novel Sulfonamide-1,2,3-triazole Molecular Conjugates as Potent Antiparasitic Agents. International Journal of Molecular Sciences, 2022, 23, 4241.	1.8	10
47	Targeting the interplay between MMP-2, CA II and VEGFR-2 via new sulfonamide-tethered isomeric triazole hybrids; Microwave-assisted synthesis, computational studies and evaluation. Bioorganic Chemistry, 2022, 124, 105816.	2.0	10
48	Preparation of Novel 3-Fluorophenyl Triazolothiadiazoles and of Triazolothiadiazines. Organic Preparations and Procedures International, 2016, 48, 355-370.	0.6	9
49	Efficient Eco-Friendly Solvent-Free Click Synthesis and Antimicrobial Evaluation of New Fluorinated 1,2,3-Triazoles and their Conversion into Schiff Bases. Journal of the Brazilian Chemical Society, 2015, , .	0.6	8
50	Revisit to the Reaction ofO-Phenylene Diamine with Thiosemicarbazide to Give Benzimidazole-2-Thione Rather than Benzotriazine-2-Thione and its Glycosylation. Nucleosides, Nucleotides and Nucleic Acids, 2010, 29, 698-706.	0.4	7
51	Synthesis, Characterization, and Antimicrobial Screening of Novel 1,2,4-Triazoles, 1,3,4-Thiadiazoles, and 1,3,4-Oxadiazoles Bearing the Indole Moiety. Organic Preparations and Procedures International, 2019, 51, 270-286.	0.6	7
52	Novel Dipyridinium Lipophile-Based Ionic Liquids Tethering Hydrazone Linkage: Design, Synthesis and Antitumorigenic Study. International Journal of Molecular Sciences, 2021, 22, 10487.	1.8	7
53	Exploring the Antiparasitic Activity of Tris-1,3,4-Thiadiazoles against Toxoplasma gondii-Infected Mice. Molecules, 2022, 27, 2246.	1.7	7
54	Synthesis, Characterization and Evaluation of Antimicrobial Activity of Some Novel 1,2,4-Triazoles and 1,3,4-Thiadiazoles Bearing Imidazole Nuclues. Heterocycles, 2012, 85, 1141.	0.4	6

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55	Design, Synthesis and Molecular Docking of Novel Acetophenone-1,2,3-Triazoles Containing Compounds as Potent Enoyl-Acyl Carrier Protein Reductase (InhA) Inhibitors. Pharmaceuticals, 2022, 15, 799.	1.7	6
56	Novel 1,2,3-Triazole-sulphadiazine-ZnO Hybrids as Potent Antimicrobial Agents against Carbapenem Resistant Bacteria. Antibiotics, 2022, 11, 916.	1.5	6
57	Synthesis and Characterization of a New Five and Six Membered Selenoheterocyclic Compounds Homologues of Ebselen. Organic Chemistry International, 2011, 2011, 1-7.	1.0	5
58	Novel Fluorinated Imidazolium Ionic Liquids: Eco-friendly, Facile and Efficient Construction, Characterization, in vitro Anticancer Activity, Toxicity and in silico Analysis. Asian Journal of Chemistry, 2020, 32, 690-696.	0.1	5
59	Microwave versus conventional synthesis, anticancer, DNA binding and docking studies of some 1,2,3-triazoles carrying benzothiazole. Arabian Journal of Chemistry, 2021, 14, 102997.	2.3	5
60	Synthesis of Bis-Acyclonucleoside Analogues Bearing Benzothienyl-1,2,4-Triazol-3-Yl-Disulfide under Conventional and Microwave Methods. Nucleosides, Nucleotides and Nucleic Acids, 2013, 32, 28-41.	0.4	4
61	Synthesis, DFT Molecular Geometry and Anticancer Activity of Symmetrical 2,2â€²-(2-Oxo-1H-benzo[d]imidazole-1,3(2H)-diyl) Diacetate and Its Arylideneacetohydrazide Derivatives. Materials, 2022, 15, 2544.	1.3	4
62	Dicationic Bis-Pyridinium Hydrazone-Based Amphiphiles Encompassing Fluorinated Counteranions: Synthesis, Characterization, TGA-DSC, and DFT Investigations. Molecules, 2022, 27, 2492.	1.7	4
63	Synthesis and crystal structure of a new pyridinium bromide salt: 4-methyl-1-(3-phenoxypropyl)pyridinium bromide. Acta Crystallographica Section E: Crystallographic Communications, 2017, 73, 1831-1834.	0.2	2
64	Crystal structure of 1-heptylpyridazin-1-ium iodide, C₁₁H₁₉N₂I. Zeitschrift Fur Kristallographie - New Crystal Structures, 2018, 233, 739-741.	0.1	1
65	Crystal structure of (E)-4-((2-fluoro-3-(trifluoromethyl)benzylidene)amino)-3-methyl-1H-1,2,4-triazole-5(4H)-thione, C₁₁H₈F₄N₄S. Zeitschrift Fur Kristallographie - New Crystal Structures, 2019, 234, 343-344.	0.1	1
66	Crystal structure of 1-nonylpyridazin-1-ium iodide, C₁₃H₂₃N₂I. Zeitschrift Fur Kristallographie - New Crystal Structures, 2019, 234, 857-859.	0.1	1
67	Green microwave versus conventional synthesis, crystal structure of 1-(4-(Benzothiazol-2-yl)piperazin-1-yl)-2-(4-phenyl-1H-1,2,3-triazol-1-yl)ethenone and HS-Analysis. Journal of Taibah University for Science, 2020, 14, 549-556.	1.1	1
68	ew pyridazinium-based ionic liquids: An eco-friendly ultrasound-assisted synthesis, characterization and biological activity. South African Journal of Chemistry, 2015, , .	0.3	1
69	Crystal structure of the coordination polymer catena-poly[chlorido-{Î¼₂-2-(((3,5-dimethyl-1H-pyrazol-1-yl)methyl)amino)-3-hydroxybutanoato-Îº⁴N,N,O:Oâ€²}copper(II)], C₁₁H₁₆ClCuN₂O₃. Zeitschrift Fur Kristallographie - New Crystal Structures, 2018, 233, 493-494.	0.1	0
70	Crystal structure of 4-phenyl-3-((4-phenyl-1H-1,2,3-triazol-1-yl)methyl)-1H-1,2,4-triazole-5(4H)-thione, C17H14N6S. Zeitschrift Fur Kristallographie - New Crystal Structures, 2018, 233, 697-698.	0.1	0
71	Crystal structure of 4-(dimethylamino)-1-(prop-2-yn-1-yl)pyridin-1-ium perchlorate, C₁₀H₁₃ClN₂O₄. Zeitschrift Fur Kristallographie - New Crystal Structures, 2018, 233, 897-898.	0.1	0
72	Crystal structure of 5-(4-fluorophenyl)-4-methyl-2,4-dihydro-3H-1,2,4-triazole-3-thione, C₉H₈FN₃S. Zeitschrift Fur Kristallographie - New Crystal Structures, 2019, 234, 345-346.	0.1	0

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73	Action of Thioglycosides of 1,2,4-Triazoles and Imidazoles on the Oxidative Stress and Glycosidases in Mice with Molecular Docking. Letters in Drug Design and Discovery, 2019, 16, 696-710.	0.4	0