Gabriela L Borosky

List of Publications by Year
in descending order

44 papers	527 citations	687363 13 h-index	713466 21 g-index
50 all docs	50 docs citations	50 times ranked	555 citing authors

#	Article	IF	Citations
1	Design, synthesis, and molecular docking study of novel quinolineâ€based bisâ€chalcones as potential antitumor agents. Archiv Der Pharmazie, 2021, 354, e2100094.	4.1	8
2	Ionic liquid catalyzed Ritter reaction/Pd-catalyzed directed Ortho-arylation; facile access to diverse libraries of biaryl-amides from Aryl-nitriles. Tetrahedron Letters, 2020, 61, 152553.	1.4	6
3	Curcumin Conjugates of Nonâ€steroidal Antiâ€inflammatory Drugs: Synthesis, Structures, Antiâ€proliferative Assays, Computational Docking, and Inflammatory Response. ChemistryOpen, 2020, 9, 822-834.	1.9	8
4	Alkaline Phosphatases: in Silico Study on the Catalytic Effect of Conserved Active Site Residues Using Human Placental Alkaline Phosphatase (PLAP) As a Model Protein. Journal of Chemical Information and Modeling, 2020, 60, 6228-6241.	5.4	1
5	Recent Advances in the Development of â€œCurcumin Inspiredâ€•Compounds as New Therapeutic Agents. Mini-Reviews in Medicinal Chemistry, 2020, 20, 1543-1558.	2.4	4
6	Deuterated Curcuminoids: Synthesis, Structures, Computational/Docking and Comparative Cell Viability Assays against Colorectal Cancer. ChemMedChem, 2019, 14, 1173-1184.	3.2	8
7	Phospha- and arsa-bridged cyclononatetraenides: novel zwitterionic 10Ï€ aromatic hemispheres. New Journal of Chemistry, 2019, 43, 6267-6273.	2.8	3
8	Catalyst-free assembly of giant tris(heteroaryl)methanes: synthesis of novel pharmacophoric triads and model sterically crowded tris(heteroaryl/aryl)methyl cation salts. Beilstein Journal of Organic Chemistry, 2019, 15, 642-654.	2.2	9
9	Iodine Activation of Alcohols: A Computational Study. Topics in Catalysis, 2018, 61, 636-642.	2.8	4
10	Novel fluorinated curcuminoids and their pyrazole and isoxazole derivatives: Synthesis, structural studies, Computational/Docking and in-vitro bioassay. Journal of Fluorine Chemistry, 2018, 206, 82-98.	1.7	51
11	Computational study on the role of residue Arg166 in alkaline phosphatases. Arkivoc, 2018, 2018, 114-121.	0.5	1
12	Synthesis, Computational Docking Study, and Biological Evaluation of a Library of Heterocyclic Curcuminoids with Remarkable Antitumor Activity. ChemMedChem, 2018, 13, 1895-1908.	3.2	10
13	Quantum-Mechanical Study on the Catalytic Mechanism of Alkaline Phosphatases. Journal of Chemical Information and Modeling, 2017, 57, 540-549.	5.4	7
14	A computational study of SF5-substituted carbocations. Journal of Fluorine Chemistry, 2017, 197, 118-133.	1.7	2
15	Piperidineâ€appended imidazolium ionic liquids as taskâ€specific catalysts: computational study, synthesis, and multinuclear NMR. Journal of Physical Organic Chemistry, 2016, 29, 346-351.	1.9	2
16	Fluoro-curcuminoids and curcuminoid-BF2 adducts: Synthesis, X-ray structures, bioassay, and computational/docking study. Journal of Fluorine Chemistry, 2016, 191, 29-41.	1.7	21
17	Mutagenicity of heteroaromatic amines: Computational study on the influence of methyl substituents. Journal of Molecular Graphics and Modelling, 2016, 69, 92-102.	2.4	1
18	In Silico Study on Chemical Properties and Reactivity of Enal Derivatives. European Journal of Organic Chemistry, 2015, 2015, 6615-6623.	2.4	0

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19	Catalytic Activity of Human Placental Alkaline Phosphatase (PLAP): Insights from a Computational Study. Journal of Physical Chemistry B, 2014, 118, 14302-14313.	2.6	9
20	Synthesis and Structure of the First Bridgehead Silylium Ion. Organometallics, 2014, 33, 2146-2149.	2.3	11
21	Catalytic, regioselective, and green methods for rearrangement of 1,2-diaryl epoxides to carbonyl compounds employing metallic triflates, BrÃ¸nsted-acidic ionic liquids (ILs), and IL/microwave; experimental and computational substituent effect study on aryl versus hydrogen migration. Applied Catalysis A: General, 2014, 486, 1-11.	4.3	18
22	Electrophilic Addition of Propargylic Cations to Allenes: Formation of Crowded Chloroâ€•and Azidoâ€Enynes by Trapping of the Resulting Allylic Cations with TMSX (X = Cl, N₃): A Synthetic and Computational Study. European Journal of Organic Chemistry, 2013, 2013, 5455-5463.	2.4	7
23	Î±-Sulfur or Î±-fluorineâ€"Which is more stabilizing for a carbocation? A computational study of electrophilic addition to HFCCH(SMe) and FC(R1)CR2(SMe) and related model systems. Journal of Fluorine Chemistry, 2013, 151, 26-31.	1.7	4
24	Quantum-chemical studies on mutagenicity of aromatic and heteroaromatic amines. Frontiers in Bioscience - Scholar, 2013, S5, 600-610.	2.1	4
25	Experimental and GIAO ¹⁵N NMR Study of Substituent Effects in 1H-Tetrazoles. Journal of Organic Chemistry, 2012, 77, 4152-4155.	3.2	13
26	In Silico study of carcinogenic oâ€Quinone metabolites derived from polycyclic aromatic hydrocarbons (PAHs). Journal of Physical Organic Chemistry, 2012, 25, 720-728.	1.9	2
27	Computational Modeling of the Catalytic Mechanism of Human Placental Alkaline Phosphatase (PLAP). Journal of Chemical Information and Modeling, 2011, 51, 2538-2548.	5.4	12
28	Synthesis, trypanocidal activity and molecular modeling studies of 2-alkylaminomethylquinoline derivatives. European Journal of Medicinal Chemistry, 2011, 46, 3696-3703.	5.5	31
29	A Computational (DFT, MP2) and GIAO NMR Study of Substituent Effects in Benzenediazonium Mono- and Dications. European Journal of Organic Chemistry, 2011, 2011, 1771-1775.	2.4	6
30	A computational study (DFT, MP2, and GIAOâ€DFT) of substituent effects on protonation regioselectivity in Î²,Î²â€disubstituted vinyldiazonium cations: formation of highly delocalized carbenium/diazonium dications. Journal of Physical Organic Chemistry, 2010, 23, 115-125.	1.9	2
31	Oxidized metabolites from cyclopentaâ€fused polycyclic aromatic hydrocarbons (CPâ€PAHs). A DFT model study of their carbocations formed by epoxide ring opening. Journal of Physical Organic Chemistry, 2010, 23, 810-818.	1.9	12
32	Stable carbocations and onium ions from polycondensed aromatic and heteroaromatic compounds as models for biological electrophiles and DNA-transalkylating agents. Advances in Physical Organic Chemistry, 2009, 43, 135-176.	0.5	4
33	A DFT Model Study of the Carbocations Formed via the Fjordâ€•and Bayâ€Region Diol Epoxide Metabolites of Isomeric Dibenzopyrenes and Naphthopyrene. European Journal of Organic Chemistry, 2009, 2009, 3331-3339.	2.4	7
34	Carcinogenic carbocyclic and heterocyclic aromatic amines: A DFT study concerning their mutagenic potency. Journal of Molecular Graphics and Modelling, 2008, 27, 459-465.	2.4	30
35	Quantum Chemical Studies on Ultimate Carcinogenic Metabolites from Polycyclic Aromatic Hydrocarbons. Current Medicinal Chemistry, 2008, 15, 2901-2920.	2.4	2
36	TQuantum Chemical Studies of Carbocations from Oxidized Metabolites of Aza-Polycyclic Aromatic Hydrocarbons. ACS Symposium Series, 2007, , 329-363.	0.5	2

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37	Ultimate Carcinogenic Metabolites from Aromatic and Heterocyclic Aromatic Amines:â€‰ A Computational Study in Relation to Their Mutagenic Potency. Chemical Research in Toxicology, 2007, 20, 171-180.	3.3	50
38	Oxidized metabolites from benzo[a]pyrene, benzo[e]pyrene, and aza-benzo[a]pyrenes. A computational study of their carbocations formed by epoxide ring opening reactions. Organic and Biomolecular Chemistry, 2007, 5, 2234.	2.8	28
39	Electrophilic Chemistry of Thia-PAHs:â€‰ Stable Carbocations (NMR and DFT), S-Alkylated Onium Salts, Model Electrophilic Substitutions (Nitration and Bromination), and Mutagenicity Assay. Journal of Organic Chemistry, 2007, 72, 8383-8393.	3.2	26
40	Carbocations from Oxidized Metabolites of Benzo[a]anthracene:Â A Computational Study of Their Methylated and Fluorinated Derivatives and Guanine Adducts. Chemical Research in Toxicology, 2006, 19, 899-907.	3.3	13
41	A Computational Study of Carbocations from Oxidized Metabolites of Dibenzo[a,h]acridine and Their Fluorinated and Methylated Derivatives. Chemical Research in Toxicology, 2005, 18, 1876-1886.	3.3	14
42	Theoretical study of aza-polycyclic aromatic hydrocarbons (aza-PAHs), modelling carbocations from oxidized metabolites and their covalent adducts with representative nucleophiles. Organic and Biomolecular Chemistry, 2005, 3, 1180.	2.8	23
43	Theoretical study concerning the reactivity of imine derivatives of polycyclic aromatic hydrocarbons. Journal of Computational Chemistry, 2003, 24, 601-608.	3.3	11
44	Theoretical Study Related to the Carcinogenic Activity of Polycyclic Aromatic Hydrocarbon Derivatives. Journal of Organic Chemistry, 1999, 64, 7738-7744.	3.2	40