

# Emese Gal

## List of Publications by Year in descending order

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52  
papers

574  
citations

687363

13  
h-index

642732

23  
g-index

52  
all docs

52  
docs citations

52  
times ranked

817  
citing authors

#	ARTICLE	IF	CITATIONS
1	Oscillatory Symmetry Breaking in the Soai Reaction. <i>Journal of Physical Chemistry B</i> , 2008, 112, 9196-9200.	2.6	73
2	UV-light mediated green synthesis of silver and gold nanoparticles using Cornelian cherry fruit extract and their comparative effects in experimental inflammation. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2019, 191, 26-37.	3.8	68
3	Violation of Distribution Symmetry in Statistical Evaluation of Absolute Enantioselective Synthesis. <i>Journal of Physical Chemistry B</i> , 2007, 111, 11506-11510.	2.6	42
4	Nitrogen-Doped Graphene: The Influence of Doping Level on the Charge-Transfer Resistance and Apparent Heterogeneous Electron Transfer Rate. <i>Sensors</i> , 2020, 20, 1815.	3.8	41
5	Influence of DGAT1 K232A Polymorphism on Milk Fat Percentage and Fatty Acid Profiles in Romanian Holstein Cattle. <i>Animal Biotechnology</i> , 2015, 26, 105-111.	1.5	28
6	Acylated mono-, bis- and tris- Cinchona-Based Amines Containing Ferrocene or Organic Residues: Synthesis, Structure and in Vitro Antitumor Activity on Selected Human Cancer Cell Lines. <i>Molecules</i> , 2012, 17, 2316-2329.	3.8	26
7	Novel metal modified diatomite, zeolite and carbon xerogel catalysts for mild conditions wet air oxidation of phenol: Characterization, efficiency and reaction pathway. <i>Separation and Purification Technology</i> , 2018, 197, 36-46.	7.9	23
8	Laccase is upregulated via stress pathways in the phytopathogenic fungus <i>Sclerotinia sclerotiorum</i> . <i>Fungal Biology</i> , 2013, 117, 528-539.	2.5	22
9	Microwave assisted synthesis, photophysical and redox properties of (phenothiazinyl)vinyl-pyridinium dyes. <i>Dyes and Pigments</i> , 2014, 102, 315-325.	3.7	18
10	Evaluation of Volatile Compounds during Ageing with Oak Chips and Oak Barrel of Muscat Ottonel Wine. <i>Processes</i> , 2020, 8, 1000.	2.8	17
11	Synthesis, structural investigations, and DFT calculations on novel 3-(1,3-dioxan-2-yl)-10-methyl-10H-phenothiazine derivatives with fluorescence properties. <i>Tetrahedron</i> , 2012, 68, 2465-2470.	1.9	16
12	Metallo complexes of meso-phenothiazinylporphyrins: Synthesis, linear and nonlinear optical properties. <i>Dyes and Pigments</i> , 2015, 123, 386-395.	3.7	15
13	Novel meso-phenothiazinylporphyrin dyes: Synthesis, optical, electrochemical properties and PDT assay. <i>Dyes and Pigments</i> , 2013, 99, 144-153.	3.7	14
14	Exploring the substrate scope of ferulic acid decarboxylase (FDC1) from <i>Saccharomyces cerevisiae</i> . <i>Scientific Reports</i> , 2019, 9, 647.	3.3	14
15	Novel Thiazolo[5,4-b]phenothiazine Derivatives: Synthesis, Structural Characterization, and In Vitro Evaluation of Antiproliferative Activity against Human Leukaemia. <i>International Journal of Molecular Sciences</i> , 2017, 18, 1365.	4.1	13
16	Evaluation of Press Mud, Vinasse Powder and Extraction Sludge with Ethanol in a Pyrolysis Process. <i>Energies</i> , 2019, 12, 4145.	3.1	13
17	Fe(III) $\leftrightarrow$ Sulfide interaction in globins: Characterization and quest for a putative Fe(IV)-sulfide species. <i>Journal of Inorganic Biochemistry</i> , 2018, 179, 32-39.	3.5	12
18	Iodine-catalyzed stepwise [4+2] cycloaddition of phenothiazine- and ferrocene-containing Schiff bases with DHP promoted by microwave irradiation. <i>Tetrahedron</i> , 2010, 66, 9938-9944.	1.9	11

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19	Chromium(II)-complex mediated formation of C-glycosides from glycosyl halides under aqueous biphasic conditions. <i>Tetrahedron Letters</i> , 2007, 48, 7351-7353.	1.4	10
20	The influence of bonding topology on the electronic properties of new Schiff bases containing phenothiazine building blocks. <i>Journal of Electroanalytical Chemistry</i> , 2016, 770, 14-22.	3.8	10
21	Glassy carbon electrode modified with hemin and new melamine compounds for H <sub>2</sub> O <sub>2</sub> amperometric detection. <i>Journal of Solid State Electrochemistry</i> , 2016, 20, 3071-3081.	2.5	9
22	Microwave-Assisted Catalytic Amination of Phenothiazine; Reliable Access to Phenothiazine Analogues of Tröger's Base. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 5500-5508.	2.4	8
23	Detection of 8-Hydroxy-2-Deoxyguanosine Biomarker with a Screen-Printed Electrode Modified with Graphene. <i>Sensors</i> , 2019, 19, 4297.	3.8	8
24	Novel Phenothiazine-Bridged Porphyrin-(Hetero)aryl dyads: Synthesis, Optical Properties, In Vitro Cytotoxicity and Staining of Human Ovarian Tumor Cell Lines. <i>International Journal of Molecular Sciences</i> , 2020, 21, 3178.	4.1	8
25	Influence of Oak Chips and Oak Barrel Ageing on Volatile Profile in Chardonnay Wine of Romania. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 3691.	2.5	7
26	Volatile Composition of Some Red Wines from Romania Assessed by GC-MS. <i>Studia Universitatis Babeş-Bolyai Chemia</i> , 2018, 63, 125-142.	0.2	6
27	Photophysical Properties and Electronic Structure of Symmetrical Curcumin Analogues and Their BF <sub>2</sub> Complexes, Including a Phenothiazine Substituted Derivative. <i>Symmetry</i> , 2021, 13, 2299.	2.2	6
28	Synthesis and antibacterial properties of new phenothiazinyl- and phenyl-nitrones. <i>Comptes Rendus Chimie</i> , 2014, 17, 1050-1056.	0.5	4
29	Novel (Phenothiazinyl)Vinyl-Pyridinium Dyes and Their Potential Applications as Cellular Staining Agents. <i>International Journal of Molecular Sciences</i> , 2021, 22, 2985.	4.1	4
30	Fracture Behavior and Integrity of Different Direct Restorative Materials to Restore Noncarious Cervical Lesions. <i>Polymers</i> , 2021, 13, 4170.	4.5	4
31	Design, synthesis and structure of novel G-2 melamine-based dendrimers incorporating 4-( <i>n</i> -octyloxy)aniline as a peripheral unit. <i>Beilstein Journal of Organic Chemistry</i> , 2018, 14, 1704-1722.	2.2	3
32	Ethyne Functionalized Meso-Phenothiazinyl-Phenyl-Porphyrins: Synthesis and Optical Properties of Free Base Versus Protonated Species. <i>Molecules</i> , 2020, 25, 4546.	3.8	3
33	Excess Ascorbate is a Chemical Stress Agent against Proteins and Cells. <i>Pharmaceuticals</i> , 2020, 13, 107.	3.8	3
34	New fluorescent phenothiazine carboxylates for fluorescent nanomaterials. <i>Journal of Molecular Structure</i> , 2021, 1246, 131174.	3.6	3
35	Testing antiplatelet and antioxidant activity of the extract of seven varieties of <i>Allium cepa</i> L.. <i>Open Life Sciences</i> , 2015, 10, .	1.4	2
36	A long-range tautomeric effect on a new Schiff isoniazid analogue, evidenced by NMR study and X-ray crystallography. <i>New Journal of Chemistry</i> , 2018, 42, 14459-14468.	2.8	2

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37	Î <sup>2</sup> -Ketophosphonates with Pentalenofuran Scaffolds Linked to the Ketone Group for the Synthesis of Prostaglandin Analogs. <i>International Journal of Molecular Sciences</i> , 2021, 22, 6787.	4.1	2
38	Chromatographic Analysis of Carotenoids and Anthocyanins in Sweet Cherry Autumn Leaves Used in Ornamental Landscapes. <i>Studia Universitatis Babes-Bolyai Chemia</i> , 2018, 63, 143-156.	0.2	2
39	Shedding Light on the Dark Ages: Sketching Potential Trade Relationships in Early Medieval Romania through Mitochondrial DNA Analysis of Sheep Remains. <i>Diversity</i> , 2021, 13, 208.	1.7	1
40	Optical properties of new 5- (phenothiazinyl)methylidenebarbituric acid derivatives. <i>Journal of Molecular Structure</i> , 2022, 1247, 131334.	3.6	1
41	Determination of heavy metals and lead strontium isotope characterization from Merlot soil samples, Dealu Bujorului vineyard. <i>Studia Universitatis Babes-Bolyai Chemia</i> , 2017, 62, 317-332.	0.2	1
42	Novel Synthetic Dopamine Analogues: Carbon-13/Nitrogen-15 Isotopic Labeling and Fluorescence Properties. <i>Analytical Letters</i> , 2023, 56, 170-182.	1.8	1
43	Photophysical study of meso-phenothiazinyl-porphyrins metallocomplexes. <i>EPJ Web of Conferences</i> , 2017, 161, 03017.	0.3	0
44	Design, synthesis and structure of novel dendritic G-2 melamines comprising piperidine motifs as key linkers and 4-(n-octyloxy)aniline as a peripheral unit. <i>Tetrahedron</i> , 2019, 75, 130468.	1.9	0
45	Ultrasound-assisted Strecker synthesis of novel 2-(hetero)aryl-2-(arylamino)acetonitrile derivatives. <i>Beilstein Journal of Organic Chemistry</i> , 2020, 16, 2929-2936.	2.2	0
46	Examination of (phenothiazinyl)vinyl-pyridinium dye's capacity of interaction with DNA. <i>Studia Universitatis Babes-Bolyai Chemia</i> , 2021, 66, 59-66.	0.2	0
47	Elemental Content and Lead-Strontium Isotope Characterization of Wine. <i>Studia Universitatis Babes-Bolyai Chemia</i> , 2018, 63, 137-155.	0.2	0
48	(Phenothiazinyl)Vinyl-Indolium Cationic Dyes. <i>Studia Universitatis Babes-Bolyai Chemia</i> , 2018, 63, 117-124.	0.2	0
49	Multi-element composition of red and white wines from Bujoru, Smulti and Oancea wine center, Romania. <i>Studia Universitatis Babes-Bolyai Chemia</i> , 2018, 63, 113-128.	0.2	0
50	Synthesis of novel n-substituted amphionic melamines with the tandem 4-(1-carboxy-n-alkoxy)phenyl / 4-(n-octyloxy)phenyl units as potential dendritic building-blocks. <i>Studia Universitatis Babes-Bolyai Chemia</i> , 2020, 65, 39-54.	0.2	0
51	Diastereoselective synthesis of (8E,10Z)-tetradeca-8,10-dienal, the sexual pheromone of the horse-chestnut leaf-miner <i>Cameraria ohridella</i> (Lepidoptera: Gracillariidae). <i>Studia Universitatis Babes-Bolyai Chemia</i> , 2021, 66, 205-224.	0.2	0
52	Key Intermediates for Building the Î <sup>6</sup> -Side Chain of Prostaglandins with a Constrained Pentalenofurane Scaffold Linked to C-15 Carbon Atom to Diminish the PG Inactivation. , 0, , .		0