Marijana Hranjec

List of Publications by Year
in descending order

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58 papers	1,577 citations	304743 22 h-index	315739 38 g-index
60 all docs	60 docs citations	60 times ranked	1783 citing authors

#	Article	IF	Citations
1	Novel Cyano- and Amidino-Substituted Derivatives of Styryl-2-Benzimidazoles and Benzimidazo[1,2-a]quinolines. Synthesis, Photochemical Synthesis, DNA Binding, and Antitumor Evaluation, Part 3. Journal of Medicinal Chemistry, 2007, 50, 5696-5711.	6.4	226
2	Novel Amidino-Substituted Thienyl- and Furylvinylbenzimidazole: Derivatives and Their Photochemical Conversion into Corresponding Diazacyclopenta[c]fluorenes. Synthesis, Interactions with DNA and RNA, and Antitumor Evaluation. 4. Journal of Medicinal Chemistry, 2008, 51, 4899-4910.	6.4	116
3	Synthesis, spectroscopic characterization and antiproliferative evaluation in vitro of novel Schiff bases related to benzimidazoles. European Journal of Medicinal Chemistry, 2011, 46, 2274-2279.	5.5	106
4	Benzimidazole derivatives related to 2,3-acrylonitriles, benzimidazo[1,2-a]quinolines and fluorenes: Synthesis, antitumor evaluation in vitro and crystal structure determination. European Journal of Medicinal Chemistry, 2010, 45, 2405-2417.	5.5	101
5	Tuneable solid-state emitters based on benzimidazole derivatives: Aggregation induced red emission and mechanochromism of D-Ï€-A fluorophores. Dyes and Pigments, 2019, 162, 688-696.	3.7	48
6	Amino substituted benzimidazo[1,2- a]quinolines: Antiproliferative potency, 3D QSAR study and DNA binding properties. European Journal of Medicinal Chemistry, 2016, 122, 530-545.	5.5	47
7	Benzimidazole functionalised Schiff bases: Novel pH sensitive fluorescence turn-on chromoionophores for ion-selective optodes. Sensors and Actuators B: Chemical, 2018, 258, 415-423.	7.8	47
8	Novel imidazo[4,5-b]pyridine and triaza-benzo[c]fluorene derivatives: Synthesis, antiproliferative activity and DNA binding studies. European Journal of Medicinal Chemistry, 2011, 46, 2748-2758.	5.5	46
9	Antiproliferative potency of novel benzofuran-2-carboxamides on tumour cell lines: Cell death mechanisms and determination of crystal structure. European Journal of Medicinal Chemistry, 2013, 59, 111-119.	5.5	45
10	Synthesis, antitumor evaluation and DNA binding studies of novel amidino-benzimidazolyl substituted derivatives of furyl-phenyl- and thienyl-phenyl-acrylates, naphthofurans and naphthothiophenes. European Journal of Medicinal Chemistry, 2008, 43, 2877-2890.	5.5	44
11	Novel biologically active nitro and amino substituted benzimidazo[1,2-a]quinolines. Bioorganic and Medicinal Chemistry, 2011, 19, 6329-6339.	3.0	44
12	Differential antiproliferative mechanisms of novel derivative of benzimidazo[1,2-Î±]quinoline in colon cancer cells depending on their p53 status. Molecular Cancer Therapeutics, 2008, 7, 2121-2132.	4.1	40
13	Synthesis, antiproliferative activity and DNA binding properties of novel 5-Aminobenzimidazo[1,2-a]quinoline-6-carbonitriles. European Journal of Medicinal Chemistry, 2014, 80, 218-227.	5.5	40
14	Novel amidino substituted benzimidazole and benzothiazole benzo[b]thieno-2-carboxamides exert strong antiproliferative and DNA binding properties. European Journal of Medicinal Chemistry, 2017, 136, 468-479.	5.5	37
15	Biological activity and DNA binding studies of 2-substituted benzimidazo[1,2-a]quinolines bearing different amino side chains. MedChemComm, 2013, 4, 1537.	3.4	33
16	Novel Derivatives of Pyridylbenzo[b]thiophene-2-carboxamides and Benzo[b]thieno[2,3-c]naphthyridin-2-ones: Minor Structural Variations Provoke Major Differences of Antitumor Action Mechanisms. Journal of Medicinal Chemistry, 2009, 52, 2482-2492.	6.4	32
17	Synthesis, crystal structure and spectroscopic study of novel benzimidazoles and benzimidazo[1,2-a]quinolines as potential chemosensors for different cations. Dyes and Pigments, 2012, 95, 644-656.	3.7	30
18	Reversible pH switchable aggregation-induced emission of self-assembled benzimidazole-based acrylonitrile dye in aqueous solution. Dyes and Pigments, 2017, 142, 108-115.	3.7	29

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19	Novel aminated benzimidazo[1,2-a]quinolines as potential fluorescent probes for DNA detection: Microwave-assisted synthesis, spectroscopic characterization and crystal structure determination. Dyes and Pigments, 2011, 91, 79-88.	3.7	28
20	Fluorescent benzimidazo[1,2-a]quinolines: synthesis, spectroscopic and computational studies of protonation equilibria and metal ion sensitivity. New Journal of Chemistry, 2017, 41, 358-371.	2.8	28
21	Synthesis, crystal structure determination and antiproliferative activity of novel 2-amino-4-aryl-4,10-dihydro[1,3,5]triazino[1,2-a]benzimidazoles. Journal of Molecular Structure, 2012, 1007, 242-251.	3.6	25
22	Synthesis of Novel Benzimidazolyl-substituted Acrylonitriles and Amidino-substituted Benzimidazo[1,2-a]Quinolines. Molecules, 2007, 12, 1817-1828.	3.8	25
23	Antitumor activity of amidino-substituted benzimidazole and benzimidazo[1,2-a]quinoline derivatives tested in 2D and 3D cell culture systems. Journal of Enzyme Inhibition and Medicinal Chemistry, 2016, 31, 1139-1145.	5.2	22
24	Antiproliferative activity of amino substituted benzo[b]thieno[2,3-b]pyrido[1,2-a]benzimidazoles explored by 2D and 3D cell culture system. European Journal of Medicinal Chemistry, 2017, 125, 722-735.	5.5	22
25	Synthesis, antiproliferative activity and DNA/RNA-binding properties of mono- and bis-(1,2,3-triazolyl)-appended benzimidazo[1,2-a]quinoline derivatives. European Journal of Medicinal Chemistry, 2020, 185, 111845.	5.5	21
26	New Amidino-benzimidazolyl Derivatives of Tylosin and Desmycosin.. Journal of Antibiotics, 2002, 55, 308-314.	2.0	20
27	Different positions of amide side chains on the benzimidazo[1,2-a]quinoline skeleton strongly influence biological activity. New Journal of Chemistry, 2018, 42, 7096-7104.	2.8	20
28	Amino-Substituted Benzamide Derivatives as Promising Antioxidant Agents: A Combined Experimental and Computational Study. Chemical Research in Toxicology, 2018, 31, 974-984.	3.3	19
29	Novel amino substituted tetracyclic imidazo[4,5-b]pyridine derivatives: Design, synthesis, antiproliferative activity and DNA/RNA binding study. European Journal of Medicinal Chemistry, 2021, 217, 113342.	5.5	17
30	Benzimidazole acrylonitriles as multifunctional push-pull chromophores: Spectral characterisation, protonation equilibria and nanoaggregation in aqueous solutions. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2017, 178, 225-233.	3.9	14
31	Antibacterial and antiproliferative activity of novel 2-benzimidazolyl- and 2-benzothiazolyl-substituted benzo[b]thieno-2-carboxamides. Molecular Diversity, 2018, 22, 637-646.	3.9	14
32	Preclinical inÂvitro screening of newly synthesised amidino substituted benzimidazoles and benzothiazoles. Journal of Enzyme Inhibition and Medicinal Chemistry, 2021, 36, 163-174.	5.2	14
33	Antiproliferative activity and mode of action analysis of novel amino and amido substituted phenantrene and naphtho[2,1-b]thiophene derivatives. European Journal of Medicinal Chemistry, 2020, 185, 111833.	5.5	13
34	Biological Activity of Newly Synthesized Benzimidazole and Benzothizole 2,5-Disubstituted Furane Derivatives. Molecules, 2021, 26, 4935.	3.8	13
35	Synthesis, antioxidative and antiproliferative activity of methoxy amidino substituted benzamides and benzimidazoles. Medicinal Chemistry Research, 2017, 26, 2024-2037.	2.4	12
36	Experimental and Computational Study of the Antioxidative Potential of Novel Nitro and Amino Substituted Benzimidazole/Benzothiazole-2-Carboxamides with Antiproliferative Activity. Antioxidants, 2019, 8, 477.	5.1	12

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37	Novel imidazo[4,5-b]pyridine derived acrylonitriles: A combined experimental and computational study of their antioxidative potential. Journal of Molecular Liquids, 2021, 342, 117527.	4.9	12
38	Antioxidative and antiproliferative activities of novel pyrido[1,2-a]benzimidazoles. Molecular Diversity, 2017, 21, 201-210.	3.9	10
39	Imidazo[4,5-b]pyridine derived tubulin polymerization inhibitors: Design, synthesis, biological activity in vitro and computational analysis. Bioorganic Chemistry, 2022, 127, 106032.	4.1	9
40	Synthesis, spectroscopic properties and crystal structure determination of 2-(2-pyridin-4-yl-vinyl)-1H-benzimidazole derivatives. Structural Chemistry, 2008, 19, 353-359.	2.0	8
41	Synthesis and antiproliferative activity of amino-substituted benzimidazo[1,2- $${varvec{a}}$$ a]quinolines as mesylate salts designed by 3D-QSAR analysis. Molecular Diversity, 2017, 21, 621-636.	3.9	8
42	Bifunctional fluorescent benzimidazo[1,2-Î±]quinolines for Candida spp. biofilm detection and biocidal activity. Journal of Photochemistry and Photobiology B: Biology, 2016, 163, 319-326.	3.8	7
43	Biological Potential of Novel Methoxy and Hydroxy Substituted Heteroaromatic Amides Designed as Promising Antioxidative Agents: Synthesis, 3D-QSAR Analysis, and Biological Activity. Chemical Research in Toxicology, 2019, 32, 1880-1892.	3.3	7
44	Synthesis and SAR Study of Novel Amidino 2-substituted Benzimidazoles as Potential Antibacterial Agents. Croatica Chemica Acta, 2017, 90, .	0.4	7
45	Crystal structure and synthesis of benzimidazole substituted acrylonitriles and benzimidazo[1, 2-a]quinolines. Structural Chemistry, 2009, 20, 91-99.	2.0	6
46	Exploring antiproliferative activity of heteroaromatic amides and their fused derivatives using 3D-QSAR, synthesis, and biological tests. Monatshefte FÃ¼r Chemie, 2015, 146, 1503-1517.	1.8	6
47	Colourimetric and fluorimetric metal ion chemosensor based on a benzimidazole functionalised Schiff base. Supramolecular Chemistry, 2018, 30, 891-900.	1.2	6
48	Synthesis and Antiproliferative Activity of Novel 2-Substituted N-Methylated Benzimidazoles and Tetracyclic Benzimidazo [1,2-a]Quinolines. Polycyclic Aromatic Compounds, 2020, 40, 343-354.	2.6	6
49	Synthesis, Computational Analysis, and Antiproliferative Activity of Novel Benzimidazole Acrylonitriles as Tubulin Polymerization Inhibitors: Part 2. Pharmaceuticals, 2021, 14, 1052.	3.8	6
50	Spectroscopic characterization, crystal structure determination and interaction with DNA of novel cyano substituted benzimidazole derivative. Structural Chemistry, 2007, 18, 943-949.	2.0	5
51	Photophysical properties and immobilisation of fluorescent pH responsive aminated benzimidazo[1,2-a]quinoline-6-carbonitriles. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 227, 117588.	3.9	5
52	Benzazole Substituted Iminocoumarins as Potential Antioxidants with Antiproliferative Activity. Medicinal Chemistry, 2020, 17, 13-20.	1.5	5
53	Synthesis and Antiproliferative activity in vitro of Amidino Substituted 2-phenylbenzazoles. Croatica Chemica Acta, 2019, 92, 181-189.	0.4	3
54	Comparison of Antitumor Activity of Some Benzothiophene and Thienothiophene Carboxanilides and Quinolones in 2D and 3D Cell Culture System. Croatica Chemica Acta, 2017, 90, .	0.4	3

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55	Spectroscopic and Computational Study of the Protonation Equilibria of Amino-Substituted benzo[b]thieno[2,3-b]pyrido[1,2-a]benzimidazoles as Novel pH-Sensing Materials. Chemosensors, 2022, 10, 21.	3.6	3
56	Synthesis and spectroscopic properties of furyl-phenyl-acrylates and naphthofurans and their interaction with ct-DNA. Monatshefte FÃ¼r Chemie, 2008, 139, 975-983.	1.8	2
57	Design, synthesis, biological evaluation and QSAR analysis of novel N-substituted benzimidazole derived carboxamides. Journal of Enzyme Inhibition and Medicinal Chemistry, 2022, 37, 1327-1339.	5.2	2
58	Biological evaluation of novel bicyclic heteroaromatic benzazole derived acrylonitriles: synthesis, antiproliferative and antibacterial activity. Medicinal Chemistry Research, 2022, 31, 1339-1350.	2.4	1