

# Denitsa Y Yancheva

## List of Publications by Year in descending order

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78  
papers

903  
citations

430442

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docs citations

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times ranked

1155  
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis, electronic properties, antioxidant and antibacterial activity of some new benzimidazoles. <i>Bioorganic and Medicinal Chemistry</i> , 2015, 23, 6317-6326.	1.4	65
2	Deoxyribonuclease inhibitors. <i>European Journal of Medicinal Chemistry</i> , 2014, 88, 101-111.	2.6	40
3	Xanthine oxidase inhibitory properties and anti-inflammatory activity of 2-amino-5-alkylidene-thiazol-4-ones. <i>Chemico-Biological Interactions</i> , 2015, 229, 73-81.	1.7	36
4	The Effect of Camphor and Borneol on Rat Thymocyte Viability and Oxidative Stress. <i>Molecules</i> , 2012, 17, 10258-10266.	1.7	33
5	Synthesis, anticancer activity and photostability of novel 3-ethyl-2-mercapto-thieno[2,3-d]pyrimidin-4(1H)-one. <i>Journal of Molecular Structure</i> , 2019, 183, 102-108.	2.6	32
6	Nonlinear optical properties of pyridinium-betaines of squaric acid: Experimental and theoretical study. <i>Chemical Physics</i> , 2008, 348, 45-52.	0.9	30
7	Synthesis, structure, spectral properties and DFT quantum chemical calculations of 4-aminoazobenzene dyes. Effect of intramolecular hydrogen bonding on photoisomerization. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017, 175, 76-91.	2.0	29
8	Hepatotoxicity and antioxidant activity of some new N,N'-disubstituted benzimidazole-2-thiones, radical scavenging mechanism and structure-activity relationship. <i>Arabian Journal of Chemistry</i> , 2018, 11, 353-369.	2.3	29
9	Synthesis, spectroscopic and TD-DFT quantum mechanical study of azo-azomethine dyes. A laser induced trans-cis-trans photoisomerization cycle. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 192, 263-274.	2.0	27
10	Elucidation of the effect of some cholinium amino acid ionic liquids on the thermal and the conformational stability of insulin. <i>Journal of Molecular Liquids</i> , 2019, 283, 257-262.	2.3	27
11	Thermal and conformational stability of insulin in the presence of imidazolium-based ionic liquids. <i>Journal of Thermal Analysis and Calorimetry</i> , 2016, 123, 2591-2598.	2.0	26
12	Benzimidazoles as novel deoxyribonuclease I inhibitors. <i>Journal of Cellular Biochemistry</i> , 2018, 119, 8937-8948.	1.2	24
13	Synthesis and DNase I inhibitory properties of some 5,6,7,8-tetrahydrobenzo[4,5]thieno[2,3-d]pyrimidines. <i>Bioorganic Chemistry</i> , 2018, 80, 693-705.	2.0	24
14	Experimental and computational studies of the structure and vibrational spectra of 4-dimethylamino pyridinium-betaine of squaric acid. <i>Journal of Molecular Structure</i> , 2004, 691, 241-248.	1.8	23
15	Two 6-(propan-2-yl)-4-methyl-morpholine-2,5-diones as new non-purine xanthine oxidase inhibitors and anti-inflammatory agents. <i>Food and Chemical Toxicology</i> , 2013, 55, 493-497.	1.8	21
16	2-[3-[2-(4-Hydroxyphenyl)vinyl]-5,5-dimethylcyclohex-2-en-1-ylidene]malononitrile. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2001, 57, o561-o562.	0.2	20
17	Modification of <i>Rapana thomasiana</i> hemocyanin with choline amino acid salts significantly enhances its antiproliferative activity against MCF-7 human breast cancer cells. <i>RSC Advances</i> , 2015, 5, 63345-63354.	1.7	20
18	1H-benzimidazole-2-yl hydrazones as tubulin-targeting agents: Synthesis, structural characterization, anthelmintic activity and antiproliferative activity against MCF-7 breast carcinoma cells and molecular docking studies. <i>Chemico-Biological Interactions</i> , 2021, 345, 109540.	1.7	20

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19	Ketoprofen-Based Ionic Liquids: Synthesis and Interactions with Bovine Serum Albumin. <i>Molecules</i> , 2020, 25, 90.	1.7	18
20	Evaluation of the combined activity of benzimidazole arylhydrazones as new anti-Parkinsonian agents: monoamine oxidase-B inhibition, neuroprotection and oxidative stress modulation. <i>Neural Regeneration Research</i> , 2021, 16, 2299.	1.6	17
21	Experimental and computational studies of the structure and vibrational spectra of 2-[5,5-dimethyl-3-(2-phenyl-vinyl)-cyclohex-2-enylidene]-malononitrile. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2003, 59, 3325-3335.	2.0	16
22	Spectral and structural study of two acceptor-substituted pyridinium-betaines of squaric acid: Promising chromophores for nonlinear optical applications. <i>Chemical Physics</i> , 2006, 324, 489-496.	0.9	16
23	Insights in the radical scavenging mechanism of syringaldehyde and generation of its anion. <i>Journal of Molecular Structure</i> , 2016, 1108, 552-559.	1.8	16
24	Identification and synthesis of three cyclodipeptides as potential precursors of enniatin B in <i>Fusarium sporotrichioides</i> . <i>Journal of Molecular Structure</i> , 2011, 985, 397-402.	1.8	15
25	Stabilization of <i>Candida rugosa</i> lipase on nanosized zirconia-based materials. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2014, 108, 43-50.	1.8	15
26	Synthesis, structure and antimicrobial activity of 6-(propan-2-yl)-3-methyl-morpholine-2,5-dione. <i>Journal of Molecular Structure</i> , 2012, 1016, 147-154.	1.8	14
27	Rapana thomasiana hemocyanin modified with ionic liquids with enhanced anti breast cancer activity. <i>International Journal of Biological Macromolecules</i> , 2016, 82, 798-805.	3.6	13
28	Effect of two series ionic liquids based on non-nutritive sweeteners on catalytic activity and stability of the industrially important lipases from <i>Candida rugosa</i> and <i>Rhizopus delemar</i> . <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2015, 117, 62-68.	1.8	12
29	Experimental and computational studies of the structure and vibrational spectra of pyridinium-betaine of squaric acid. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2003, 59, 1805-1813.	2.0	11
30	Cyclodipeptides with a promising scaffold in medicinal chemistry. <i>Amino Acids</i> , 2014, 46, 825-840.	1.2	10
31	2-Amino-5-alkylidenethiazol-4-ones as promising lipid peroxidation inhibitors. <i>Monatshefte für Chemie</i> , 2014, 145, 945-952.	0.9	10
32	Induction periods during anodic polarization of zinc in aqueous oxalic acid solutions. <i>Materials Chemistry and Physics</i> , 2019, 223, 727-736.	2.0	10
33	New benzimidazole-aldehyde hybrids as neuroprotectors with hypochlorite and superoxide radical-scavenging activity. <i>Pharmacological Reports</i> , 2020, 72, 846-856.	1.5	10
34	Study on the Neuroprotective, Radical-Scavenging and MAO-B Inhibiting Properties of New Benzimidazole Arylhydrazones as Potential Multi-Target Drugs for the Treatment of Parkinson's Disease. <i>Antioxidants</i> , 2022, 11, 884.	2.2	10
35	Stimulatory effect on rat thymocytes proliferation and antimicrobial activity of two 6-(propan-2-yl)-4-methyl-morpholine-2,5-diones. <i>Food and Chemical Toxicology</i> , 2012, 50, 761-766.	1.8	9
36	Benzimidazole-based dual dipeptidyl peptidase-4 and xanthine oxidase inhibitors. <i>Chemico-Biological Interactions</i> , 2020, 315, 108873.	1.7	9

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37	Thieno[2,3-d]pyrimidin-4(3H)-one Derivatives of Benzimidazole as Potential Anti-Breast Cancer (MDA-MB-231, MCF-7) Agents. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2021, 21, 1441-1450.	0.9	9
38	In vitro and in silico studies of radical scavenging activity of salicylaldehyde benzoylhydrazones. <i>Journal of Molecular Structure</i> , 2021, 1245, 131021.	1.8	9
39	New 1 <i>H</i> -benzimidazole-2-yl hydrazones with combined antiparasitic and antioxidant activity. <i>RSC Advances</i> , 2021, 11, 39848-39868.	1.7	9
40	2-(3-Benzoyl-1-pyridinio)-3,4-dioxocyclobutenolate. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2005, 61, o213-o215.	0.4	7
41	Influence of hydrophobic Au nanoparticles on SOPC lipid model systems. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 603, 125090.	2.3	7
42	4-Dimethylaminopyridinium-1-squarate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2002, 58, o1267-o1268.	0.2	6
43	DFT study on IR spectral and structural changes caused by the conversion of substituted benzophenones into ketyl radicals. <i>Computational and Theoretical Chemistry</i> , 2014, 1046, 57-63.	1.1	6
44	Tautomerism and isomerism in some antitrichinellosis active benzimidazoles: Morphological study in polarized light, quantum chemical computations. <i>Journal of Molecular Structure</i> , 2017, 1150, 179-187.	1.8	6
45	Lipid peroxidation inhibition study: A promising case of 1,3-di(1,1'-biphenyl)-3-yl)urea. <i>Chemico-Biological Interactions</i> , 2020, 326, 109137.	1.7	6
46	2-{3-[(E)-(3,4-Dimethoxyphenyl)ethenyl]-5,5-dimethylcyclohex-2-enylidene}malononitrile. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2005, 61, o550-o552.	0.2	5
47	L-Prolinamidium hydrogensquarate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2006, 62, o463-o465.	0.2	5
48	The altar wall paintings of the catholicon "The Nativity of the Virgin", Rila Monastery, Bulgaria: Identification of the painting materials by means of vibrational spectroscopic techniques complemented by EDX, XRD and TGA analysis. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 247, 119087.	2.0	5
49	New C2- and N3-Modified Thieno[2,3-d]Pyrimidine Conjugates with Cytotoxicity in the Nanomolar Range. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2022, 22, 1201-1212.	0.9	5
50	Antihelminthic Activity of Some 2-Substituted Thieno[2,3-d]pyrimidin-4- ones. <i>Letters in Drug Design and Discovery</i> , 2018, 15, 887-894.	0.4	5
51	In Vitro Antioxidant Activity of Two 6-(propan-2-yl)-4-methyl-morpholine-2,5-diones. <i>Acta Chimica Slovenica</i> , 2012, 59, 939-43.	0.2	5
52	Analytical studies of the Alexandrovo Thracian tomb wall paintings. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2016, 152, 622-628.	2.0	4
53	IR study on the electrochemical generation of a nitro radical anion by a hepatotoxic N,N'-disubstituted benzimidazole-2-thione. <i>Vibrational Spectroscopy</i> , 2017, 92, 200-214.	1.2	4
54	Combined infrared spectroscopic and computational study on simpler capsaicin derivatives and their anion intermediates in the scavenging of free radicals. <i>Chemical Physics</i> , 2020, 535, 110763.	0.9	4

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55	Folate-conjugated Helix lucorum hemocyanin " preparation, stability, and cytotoxicity. Zeitschrift Fur Naturforschung - Section C Journal of Biosciences, 2020, 75, 23-30.	0.6	4
56	6-(Propan-2-yl)-3-methyl-morpholine-2,5-dione, a novel cyclodipeptide with modulatory effect on rat thymocytes. Food and Chemical Toxicology, 2012, 50, 3014-3018.	1.8	3
57	Anodic behavior of zinc in aqueous borate electrolytes. Materials Chemistry and Physics, 2020, 239, 122081.	2.0	3
58	Benzo[4,5]thieno[2,3-d]pyrimidine phthalimide derivative, one of the rare noncompetitive inhibitors of dipeptidyl peptidase-4. Archiv Der Pharmazie, 2020, 353, 1900238.	2.1	3
59	Spectroscopic and in silico study on the conversion of N,N <sup>2</sup> -disubstituted hydrazone derivatives of 5-nitrobenzimidazole-2-thione into anion and radical anion products: Implications in hepatotoxicity. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 234, 118279.	2.0	3
60	Design, Cytotoxicity and Antiproliferative Activity of 4-Amino-5-methyl-thieno[2,3-d]pyrimidine-6-carboxylates against MFC-7 and MDA-MB-231 Breast Cancer Cell Lines. Molecules, 2022, 27, 3314.	1.7	3
61	Crystal structure of 2-{3-[2-(3-ethoxy-4-methoxy-phenyl)-vinyl]-5,5-dimethyl-cyclohex-2-enylidene}-malononitrile, C <sub>22</sub> H <sub>24</sub> N <sub>2</sub> O <sub>2</sub> . Zeitschrift Fur Kristallographie - New Crystal Structures, 2001, 216, 67-68.	0.1	2
62	The pyridinium-betaine of squaric acid. Acta Crystallographica Section E: Structure Reports Online, 2007, 63, o3259-o3259.	0.2	2
63	Thermal stability and secondary structure of feruloylated Rapana thomasiana hemocyanin. Journal of Thermal Analysis and Calorimetry, 2019, 138, 2715-2720.	2.0	2
64	Structural, Thermal, and Storage Stability of Rapana Thomasiana Hemocyanin in the Presence of Cholinium-Amino Acid-Based Ionic Liquids. Molecules, 2021, 26, 1714.	1.7	2
65	Three Persian Qajar paintings from the National Gallery Sofia. Study of the technology and the composition materials for the purpose of dating and conservation evaluation. European Physical Journal Plus, 2021, 136, 1.	1.2	2
66	Biophysical Properties and Cytotoxicity of Feruloylated Helix Lucorum Hemocyanin. Acta Chimica Slovenica, 2020, 67, 253-259.	0.2	2
67	Crystal structure of 4-hydroxy-3-methoxybenzaldehyde-4-nitrophenylhydrazone, C <sub>14</sub> H <sub>13</sub> N <sub>3</sub> O <sub>4</sub> . Zeitschrift Fur Kristallographie - New Crystal Structures, 2001, 216, 247-248.	0.1	1
68	2-[5,5-Dimethyl-3-(2-p-tolyl-vinyl)-cyclohex-2-enylidene]-malononitrile. Acta Crystallographica Section E: Structure Reports Online, 2002, 58, o1093-o1094.	0.2	1
69	IR spectra and structure of 2-{5,5-dimethyl-3-[(2-phenyl)vinyl]cyclohex-2-enylidene}-malononitrile and its potassium cyanide and sodium methoxide carbanionic adducts: Experimental and B3LYP theoretical studies. Journal of Molecular Structure, 2012, 1009, 42-48.	1.8	1
70	Effects on MC3T3-E1 Cells and In Silico Toxicological Study of Two 6-(Propan-2-yl)-4-methyl-morpholine-2,5-diones. Natural Product Communications, 2015, 10, 1934578X1501000.	0.2	1
71	Characterization of Zahari Zograph's nave wall paintings in the church "The nativity of the virgin" of Rila Monastery (Bulgaria) by vibrational spectroscopy and SEM-EDX analysis. Science and Technology of Archaeological Research, 2017, 3, 437-449.	2.4	1
72	Rosmarinic acid-conjugated hemocyanins: synthesis and stability. Journal of Thermal Analysis and Calorimetry, 2020, 142, 1903-1909.	2.0	1

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73	Kinetics of galvanostatic anodic polarization of Zn in NaOH solutions and characterization of the resulting layers. <i>Materials Chemistry and Physics</i> , 2021, 263, 124298.	2.0	1
74	Silver nanoparticles synthesis and their effect on the SOPC lipid structure. <i>Journal of Physics: Conference Series</i> , 2022, 2240, 012019.	0.3	1
75	Crystal structure of 3-methoxy-4-hydroxybenzylidene-malononitrile, C <sub>11</sub> H <sub>8</sub> N <sub>2</sub> O <sub>2</sub> . <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , 2001, 216, 249-250.	0.1	0
76	Crystal structure of 4-[(4-N,N-dimethylaminophenylene)amino]-3-ethoxy-3-cyclobutene-1,2-dione, C <sub>14</sub> H <sub>16</sub> N <sub>2</sub> O <sub>3</sub> . <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , 2001, 216, 251-252.	0.1	0
77	IN SILICO PHARMACOKINETIC AND TOXICOLOGICAL STUDY OF DNASE INHIBITORS. <i>Acta Medica Medianae</i> , 2016, , 5-13.	0.0	0
78	In vitro antioxidant properties of 2-imino-benzimidazole and 1,3-thiazolo[3,2-a]benzimidazolone derivatives. <i>Acta Facultatis Medicae Naissensis</i> , 2020, 37, 381-386.	0.1	0