

# Petar T Todorov

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6247681/publications.pdf>

Version: 2024-02-01

41  
papers

546  
citations

759233  
12  
h-index

677142  
22  
g-index

46  
all docs

46  
docs citations

46  
times ranked

492  
citing authors

#	ARTICLE	IF	CITATIONS
1	New N- and C-modified RGD-hemorphins as potential biomedical application on Ti-surface materials: synthesis, characterization and antinociceptive activity. <i>Molecular Diversity</i> , 2023, 27, 263-280.	3.9	3
2	Investigation of the structure–activity relationship in a series of new LVV- and VV-hemorphin-7 analogues designed as potential anticonvulsant agents. <i>Amino Acids</i> , 2022, , 1.	2.7	3
3	Synthesis and characterization of new 5,5â€²-dimethyl- and 5,5â€²-diphenylhydantoin-conjugated hemorphin derivatives designed as potential anticonvulsant agents. <i>New Journal of Chemistry</i> , 2022, 46, 2198-2217.	2.8	5
4	Polarization holographic gratings in PAZO polymer films doped with particles of biometals. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2021, 411, 113196.	3.9	8
5	Antinociceptive Effects of VV-Hemorphin-5 Peptide Analogues Containing Amino phosphonate Moiety in Mouse Formalin Model of Pain. <i>Protein and Peptide Letters</i> , 2021, 28, 442-449.	0.9	7
6	Spectral and electrochemical solvatochromic investigations of newly synthesized peptide-based chemosensor bearing azobenzene side chain bio photoswitch. <i>Dyes and Pigments</i> , 2021, 191, 109348.	3.7	9
7	Synthesis of New Modified with Rhodamine B Peptides for Antiviral Protection of Textile Materials. <i>Molecules</i> , 2021, 26, 6608.	3.8	7
8	Excited state proton transfer and E/Z photoswitching performance of 2-hydroxy-1-naphthalene and 1-naphthalene 5,5â€²-dimethyl- and 5,5â€²-diphenylhydantoin Schiff bases. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2020, 386, 112143.	3.9	9
9	Structure–activity relationship study on new hemorphin-4 analogues containing steric restricted amino acids moiety for evaluation of their anticonvulsant activity. <i>Amino Acids</i> , 2020, 52, 1375-1390.	2.7	8
10	Experimental and theoretical study of bidirectional photoswitching behavior of 5,5â€²-diphenylhydantoin Schiff bases: synthesis, crystal structure and kinetic approaches. <i>New Journal of Chemistry</i> , 2020, 44, 15081-15099.	2.8	8
11	VV-hemorphin-5 analogue for trace copper determination in water samples. <i>Journal of the Iranian Chemical Society</i> , 2020, 17, 2885-2894.	2.2	2
12	Potential anticonvulsant activity of novel VV-hemorphin-7 analogues containing unnatural amino acids: synthesis and characterization. <i>Amino Acids</i> , 2020, 52, 567-585.	2.7	14
13	Synthesis, characterization and anticonvulsant activity of new series of N-modified analogues of VV-hemorphin-5 with aminophosphonate moiety. <i>Amino Acids</i> , 2019, 51, 1527-1545.	2.7	13
14	Photochromic and molecular switching behaviour of new Schiff bases containing hydantoin rings: synthesis, characterization and crystal structures. <i>New Journal of Chemistry</i> , 2019, 43, 2740-2751.	2.8	10
15	Anticonvulsant evaluation and docking analysis of VV-Hemorphin-5 analogues. <i>Drug Development Research</i> , 2019, 80, 425-437.	2.9	19
16	Synthesis, characterization and anticonvulsant activity of new azobenzene-containing VV-hemorphin-5 bio photoswitch. <i>Amino Acids</i> , 2019, 51, 549-563.	2.7	14
17	Coordination behavior of 3-amino-5,5â€²-dimethylhydantoin towards Ni(II) and Zn(II) ions: Synthesis, spectral characterization and DFT calculations. <i>Journal of Molecular Structure</i> , 2018, 1166, 377-387.	3.6	8
18	Synthesis, characterization and nociceptive screening of new VV-hemorphin-5 analogues. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2018, 28, 3073-3079.	2.2	21

#	ARTICLE	IF	CITATIONS
19	Synthesis and Biological Activity of Small Peptides as NOP and Opioid Receptorsâ€™ Ligands. Vitamins and Hormones, 2015, 97, 123-146.	1.7	1
20	Synthesis, characterization and cytotoxic activity of novel Cu(II) and Co(II) complexes with 3-amino-5,5-dimethylhydantoin. Comptes Rendus Chimie, 2014, 17, 1212-1220.	0.5	8
21	Synthesis and analgesic effects of novel Î²-tryptophan hexapeptide analogs. Amino Acids, 2013, 45, 983-988.	2.7	5
22	A Study of the Reaction of Phosphorus Trichloride with Paraformaldehyde in the Presence of Carboxylic Acids. Phosphorus, Sulfur and Silicon and the Related Elements, 2013, 188, 1147-1155.	1.6	4
23	Synthesis and changes in affinity for NOP and opioid receptors of novel hexapeptides containing Î²-tryptophan analogues. Bioorganic and Medicinal Chemistry Letters, 2013, 23, 4052-4055.	2.2	5
24	Charged Lipid Bilayers in Aqueous Surroundings with Low pH. Behavior Research Methods, 2013, 18, 1-20.	4.0	2
25	Cytotoxic activity of new racemic and optically active N-phosphonoalkyl bicyclic Î²-amino acids against human malignant cell lines. Amino Acids, 2012, 43, 1445-1450.	2.7	8
26	Synthesis and biological activity of new series of N-modified analogues of the N/OFPQ(1â€“13)NH <sub>2</sub> with aminophosphonate moiety. Amino Acids, 2012, 43, 1217-1223.	2.7	8
27	Synthesis of new racemic and optically active N-phosphonoalkyl bicyclic Î²-amino acids via the kabachnikâ€“fields reaction as potential biologically active compounds. Heteroatom Chemistry, 2012, 23, 123-130.	0.7	13
28	Synthesis and Structural Characterization of Spiro(fluorene-9,4â€“imidazolidine)-2â€“,5â€“-dione and (9H-Fluorene-9-yl)urea. Journal of Chemical Crystallography, 2012, 42, 566-572.	1.1	5
29	Synthesis of phosphorusâ€“containing dipeptide mimetics via the Kabachnikâ€“Fields reaction. Heteroatom Chemistry, 2011, 22, 669-672.	0.7	3
30	(R)-Methyl {[ (2-carboxybicyclo[2.2.2]octan-1-yl)ammonio]methyl}phosphonate dichloromethane 0.25-solvate. Acta Crystallographica Section E: Structure Reports Online, 2011, 67, o2152-o2153.	0.2	0
31	Recent synthesis of aminophosphonic acids as potential biological importance. Amino Acids, 2010, 38, 23-30.	2.7	172
32	Synthesis and biological activity of novel small peptides with aminophosphonates moiety as NOP receptor ligands. Amino Acids, 2010, 39, 1537-1543.	2.7	30
33	Synthesis and characterization of novel dipeptide mimetics with hydantoin moiety. Comptes Rendus Chimie, 2010, 13, 1424-1428.	0.5	9
34	Synthesis and Characterization of Novel Cycloalkanespiro-5-Hydantoin Phosphonic Acids. Phosphorus, Sulfur and Silicon and the Related Elements, 2010, 185, 1315-1320.	1.6	13
35	Ammonium hydrogen (RS)-[(5-methyl-2-oxo-1,3-oxazolidin-3-yl)methyl]phosphonate. Acta Crystallographica Section E: Structure Reports Online, 2010, 66, o6-o6.	0.2	0
36	Synthesis of novel aminophosphonic acids with hydantoin structure. Heteroatom Chemistry, 2009, 20, 87-90.	0.7	17

#	ARTICLE	IF	CITATIONS
37	Structure, conformation and hydrogen bonding of two amino-cycloalkanespiro-5-hydantoins. Open Chemistry, 2009, 7, 14-19.	1.9	7
38	Synthesis and characterization of novel (9H-fluoren-9-ylamino) carbonylaminomethylphosphonic acid. Heteroatom Chemistry, 2008, 19, 719-722.	0.7	5
39	Novel N-(phosphonomethyl) glycine derivatives: Design, characterization and biological activity. European Journal of Medicinal Chemistry, 2008, 43, 1199-1205.	5.5	36
40	[(4,4-Dimethyl-2-oxo-1,3-oxazolidin-3-yl)methyl]phosphonic acid. Acta Crystallographica Section C: Crystal Structure Communications, 2006, 62, o661-o662.	0.4	4
41	Novel $\beta$ -aminophosphonic acids. Design, characterization, and biological activity. Bioorganic and Medicinal Chemistry, 2006, 14, 2190-2196.	3.0	23