

# Petar T Todorov

## List of Publications by Year in descending order

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41  
papers

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citations

758635

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676716

22  
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46  
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46  
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times ranked

492  
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent synthesis of aminophosphonic acids as potential biological importance. <i>Amino Acids</i> , 2010, 38, 23-30.	1.2	172
2	Novel N-(phosphonomethyl) glycine derivatives: Design, characterization and biological activity. <i>European Journal of Medicinal Chemistry</i> , 2008, 43, 1199-1205.	2.6	36
3	Synthesis and biological activity of novel small peptides with aminophosphonates moiety as NOP receptor ligands. <i>Amino Acids</i> , 2010, 39, 1537-1543.	1.2	30
4	Novel $\beta$ -aminophosphonic acids. Design, characterization, and biological activity. <i>Bioorganic and Medicinal Chemistry</i> , 2006, 14, 2190-2196.	1.4	23
5	Synthesis, characterization and nociceptive screening of new $\mu$ -hemorphin-5 analogues. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2018, 28, 3073-3079.	1.0	21
6	Anticonvulsant evaluation and docking analysis of $\mu$ -hemorphin-5 analogues. <i>Drug Development Research</i> , 2019, 80, 425-437.	1.4	19
7	Synthesis of novel aminophosphonic acids with hydantoin structure. <i>Heteroatom Chemistry</i> , 2009, 20, 87-90.	0.4	17
8	Synthesis, characterization and anticonvulsant activity of new azobenzene-containing $\mu$ -hemorphin-5 bio photoswitch. <i>Amino Acids</i> , 2019, 51, 549-563.	1.2	14
9	Potential anticonvulsant activity of novel $\mu$ -hemorphin-7 analogues containing unnatural amino acids: synthesis and characterization. <i>Amino Acids</i> , 2020, 52, 567-585.	1.2	14
10	Synthesis and Characterization of Novel Cycloalkanespiro-5-Hydantoin Phosphonic Acids. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2010, 185, 1315-1320.	0.8	13
11	Synthesis of new racemic and optically active <i>N</i> -phosphonoalkyl bicyclic $\beta$ -amino acids via the Kabachnik-Fields reaction as potential biologically active compounds. <i>Heteroatom Chemistry</i> , 2012, 23, 123-130.	0.4	13
12	Synthesis, characterization and anticonvulsant activity of new series of N-modified analogues of $\mu$ -hemorphin-5 with aminophosphonate moiety. <i>Amino Acids</i> , 2019, 51, 1527-1545.	1.2	13
13	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.	1.4	10
14	Synthesis and characterization of novel dipeptide mimetics with hydantoin moiety. <i>Comptes Rendus Chimie</i> , 2010, 13, 1424-1428.	0.2	9
15	Excited state proton transfer and E/Z photoswitching performance of 2-hydroxy-1-naphthalene and 1-naphthalene 5,5-dimethyl- and 5,5-diphenylhydantoin Schiff bases. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2020, 386, 112143.	2.0	9
16	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.	2.0	9
17	Cytotoxic activity of new racemic and optically active N-phosphonoalkyl bicyclic $\beta$ -amino acids against human malignant cell lines. <i>Amino Acids</i> , 2012, 43, 1445-1450.	1.2	8
18	Synthesis and biological activity of new series of N-modified analogues of the N/O <sub>2</sub> Q(1-13)NH <sub>2</sub> with aminophosphonate moiety. <i>Amino Acids</i> , 2012, 43, 1217-1223.	1.2	8

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19	Synthesis, characterization and cytotoxic activity of novel Cu(II) and Co(II) complexes with 3-amino-5,5-dimethylhydantoin. <i>Comptes Rendus Chimie</i> , 2014, 17, 1212-1220.	0.2	8
20	Coordination behavior of 3-amino-5,5-dimethylhydantoin towards Ni(II) and Zn(II) ions: Synthesis, spectral characterization and DFT calculations. <i>Journal of Molecular Structure</i> , 2018, 1166, 377-387.	1.8	8
21	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.	1.2	8
22	Experimental and theoretical study of bidirectional photoswitching behavior of 5,5-diphenylhydantoin Schiff bases: synthesis, crystal structure and kinetic approaches. <i>New Journal of Chemistry</i> , 2020, 44, 15081-15099.	1.4	8
23	Polarization holographic gratings in PAZO polymer films doped with particles of biometals. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2021, 411, 113196.	2.0	8
24	Structure, conformation and hydrogen bonding of two amino-cycloalkanespiro-5-hydantoins. <i>Open Chemistry</i> , 2009, 7, 14-19.	1.0	7
25	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.	0.4	7
26	Synthesis of New Modified with Rhodamine B Peptides for Antiviral Protection of Textile Materials. <i>Molecules</i> , 2021, 26, 6608.	1.7	7
27	Synthesis and characterization of novel (9H-fluoren-9-ylamino) carbonylaminomethylphosphonic acid. <i>Heteroatom Chemistry</i> , 2008, 19, 719-722.	0.4	5
28	Synthesis and Structural Characterization of Spiro(flourene-9,4-imidazolidine)-2,5-dione and (9H-Fluorene-9-yl)urea. <i>Journal of Chemical Crystallography</i> , 2012, 42, 566-572.	0.5	5
29	Synthesis and analgesic effects of novel $\beta$ -tryptophan hexapeptide analogs. <i>Amino Acids</i> , 2013, 45, 983-988.	1.2	5
30	Synthesis and changes in affinity for NOP and opioid receptors of novel hexapeptides containing $\beta$ -tryptophan analogues. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2013, 23, 4052-4055.	1.0	5
31	Synthesis and characterization of new 5,5-dimethyl- and 5,5-diphenylhydantoin-conjugated hemorphin derivatives designed as potential anticonvulsant agents. <i>New Journal of Chemistry</i> , 2022, 46, 2198-2217.	1.4	5
32	[(4,4-Dimethyl-2-oxo-1,3-oxazolidin-3-yl)methyl]phosphonic acid. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2006, 62, o661-o662.	0.4	4
33	A Study of the Reaction of Phosphorus Trichloride with Paraformaldehyde in the Presence of Carboxylic Acids. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2013, 188, 1147-1155.	0.8	4
34	Synthesis of phosphorus-containing dipeptide mimetics via the Kabachnik-Fields reaction. <i>Heteroatom Chemistry</i> , 2011, 22, 669-672.	0.4	3
35	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.	1.2	3
36	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.	2.1	3

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37	Charged Lipid Bilayers in Aqueous Surroundings with Low pH. Behavior Research Methods, 2013, 18, 1-20.	2.3	2
38	VW-hemorphin-5 analogue for trace copper determination in water samples. Journal of the Iranian Chemical Society, 2020, 17, 2885-2894.	1.2	2
39	Synthesis and Biological Activity of Small Peptides as NOP and Opioid Receptorsâ€™ Ligands. Vitamins and Hormones, 2015, 97, 123-146.	0.7	1
40	(R)-Methyl {[2-carboxybicyclo[2.2.2]octan-1-yl]ammonio}methylphosphonate dichloromethane 0.25-solvate. Acta Crystallographica Section E: Structure Reports Online, 2011, 67, o2152-o2153.	0.2	0
41	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