

# Vanya B Kurteva

## List of Publications by Year in descending order

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63  
papers

1,129  
citations

430874

18  
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414414

32  
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69  
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69  
docs citations

69  
times ranked

1167  
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis of Chiral Cyclopentenones. <i>Chemical Reviews</i> , 2016, 116, 5744-5893.	47.7	194
2	Synthesis of Cyclopentitols by Ring-Closing Approaches. <i>Chemical Reviews</i> , 2009, 109, 6809-6857.	47.7	109
3	Simple transformation of crystalline chiral natural anions to liquid medium and their use to induce chirality. <i>Chemical Communications</i> , 2006, , 2371-2372.	4.1	78
4	Exploiting Tautomerism for Switching and Signaling. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 7875-7878.	13.8	62
5	Synergism as a phenomenon in solvent extraction of 4f-elements with calixarenes. <i>RSC Advances</i> , 2016, 6, 11303-11324.	3.6	61
6	Comparing extraction, synergism and separation of lanthanoids using acidic and neutral compounds in chloroform and one ionic liquid: is the latter always "better"? <i>RSC Advances</i> , 2014, 4, 38820-38829.	3.6	45
7	Tautomerism in 1-phenylazo-4-naphthols: Experimental results vs quantum-chemical predictions. <i>Dyes and Pigments</i> , 2012, 92, 714-723.	3.7	33
8	Tautocrowns: a concept for a sensing molecule with an active side-arm. <i>Tetrahedron</i> , 2010, 66, 4292-4297.	1.9	32
9	Synergistic Effect in the Solvent Extraction and Separation of Lanthanoids by 4-(4-Fluorobenzoyl)-3-methyl-1-phenyl-pyrazol-5-one in the Presence of Monofunctional Neutral Organophosphorus Extractants. <i>Industrial &amp; Engineering Chemistry Research</i> , 2011, 50, 12170-12176.	3.7	31
10	Recent Progress in Metal-Free Direct Synthesis of Imidazo[1,2- <i>a</i> ]pyridines. <i>ACS Omega</i> , 2021, 6, 35173-35185.	3.5	29
11	A direct intramolecular asymmetric catalytic aldol cyclodehydration of meso-3,4-disubstituted-1,6-dialdehydes. <i>Tetrahedron</i> , 2005, 61, 267-273.	1.9	28
12	The interaction of extractants during synergistic solvent extraction of metals. Is it an important reaction?. <i>RSC Advances</i> , 2016, 6, 81250-81265.	3.6	28
13	Behavior of mixed systems based on para-substituted 4-aryl-5-pyrazolones in the presence of phosphorus containing calix[4]arene towards lanthanoids: Synergistic solvent extraction and separation. <i>Separation and Purification Technology</i> , 2012, 95, 58-63.	7.9	27
14	Are fancy acidic or neutral ligands really needed for synergism in ionic liquids? A comparative study of lanthanoid extraction in CHCl <sub>3</sub> and an ionic liquid. <i>New Journal of Chemistry</i> , 2015, 39, 7932-7941.	2.8	22
15	Microwave accelerated facile synthesis of fused polynuclear hydrocarbons in dry media by intramolecular Friedel-Crafts alkylation. <i>Organic and Biomolecular Chemistry</i> , 2004, 2, 514-523.	2.8	19
16	4-Hydroxy-1-naphthaldehydes: proton transfer or deprotonation. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 10238-10249.	2.8	19
17	Peculiar synergistic extraction behavior of Eu(III) in ionic liquids: Benzoylacetone and CMPO fusion. <i>Separation and Purification Technology</i> , 2017, 183, 226-236.	7.9	19
18	Solvent-free synthesis of melamines under microwave irradiation. <i>Green Chemistry</i> , 2004, 6, 183.	9.0	18

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19	Chiral amine-induced stereoselectivity in trans- $\beta$ -lactam formation via Staudinger cycloaddition. <i>Tetrahedron</i> , 2009, 65, 10339-10347.	1.9	18
20	Solvent extraction and separation of light lanthanoids with mixtures of two chelating extractants: Benzene vs. ionic liquid. <i>Separation Science and Technology</i> , 2016, 51, 290-299.	2.5	17
21	Insights into the synergistic selectivity of 4f-ions implementing 4-acyl-5-pyrazolone and two new unsymmetrical NH-urea containing ring molecules in an ionic liquid. <i>Separation and Purification Technology</i> , 2018, 204, 328-335.	7.9	14
22	Coordination Chemistry of Europium(III) Ion Towards Acylpyrazolone Ligands. <i>Analytical Sciences</i> , 2015, 31, 917-922.	1.6	13
23	Controlled Tautomeric Switching in Azonaphthols Tuned by Substituents on the Phenyl Ring. <i>ChemPhysChem</i> , 2015, 16, 649-657.	2.1	13
24	Synthesis of 3-Methyl-4-(4-methylbenzoyl)-1-phenyl-pyrazol-5-one: How To Avoid O-Acylation. <i>Journal of Chemical Education</i> , 2015, 92, 382-384.	2.3	13
25	Prenylated $\beta$ -diketones, two new additions to the family of biologically active <i>Hypericum perforatum</i> L. ( <i>Hypericaceae</i> ) secondary metabolites. <i>Food and Chemical Toxicology</i> , 2018, 118, 505-513.	3.6	13
26	Synergism in the Solvent Extraction of Europium(III) with Thenoyltrifluoroacetone and CMPO in Methylimidazolium Ionic Liquids. <i>Journal of Solution Chemistry</i> , 2019, 48, 15-30.	1.2	13
27	Gas-phase tautomerism in hydroxy azo dyes - from 4-phenylazo-1-phenol to 4-phenylazo-anthracen-1-ol. <i>Rapid Communications in Mass Spectrometry</i> , 2010, 24, 714-720.	1.5	11
28	On the mechanism of the direct acid catalyzed formation of 2,3-disubstituted imidazo[1,2-a]pyridines from 2-aminopyridines and acetophenones. Concurrence between ketimine and Ortoleva-King type reaction intermediated transformations. <i>RSC Advances</i> , 2014, 4, 175-184.	3.6	11
29	The influence of nanoparticle architecture on latex film formation and healing properties. <i>Journal of Colloid and Interface Science</i> , 2012, 368, 21-33.	9.4	10
30	NMR Study on the Possible Interactions Between Imidazolium Based Ionic Liquids and Extractants Widely Applied in Solvent Extraction and Separation of f-Ions. <i>Journal of Solution Chemistry</i> , 2015, 44, 2416-2430.	1.2	10
31	Fast and efficient direct conversion of 2-aminopyridine into 2,3-disubstituted imidazo[1,2-a]pyridines. <i>Arkivoc</i> , 2013, 2012, 282-294.	0.5	9
32	Controlled tautomerism "switching" caused by an "underground" anionic effect. <i>RSC Advances</i> , 2013, 3, 25410.	3.6	8
33	Conformational behaviour of 3-methyl-4-(4-methylbenzoyl)-1-phenyl-pyrazol-5-one: a sudden story of three desmotropes. <i>RSC Advances</i> , 2015, 5, 73859-73867.	3.6	8
34	Gas-phase tautomerism in 1-phenylazonaphthalene-4-ol: verification of the responses of individual tautomers. <i>Rapid Communications in Mass Spectrometry</i> , 2009, 23, 1724-1734.	1.5	7
35	A study on the intramolecular catalytic aldol cyclodehydration of 3,4-disubstituted 1,6-dialdehydes. <i>Journal of Molecular Catalysis A</i> , 2005, 234, 159-167.	4.8	6
36	Gas-Phase Study of Molecular Switches Based on Tautomeric Proton Transfer. <i>European Journal of Mass Spectrometry</i> , 2011, 17, 47-56.	1.0	6

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37	Novel Quaternary Ammonium Derivatives of 4-Pyrrolidino Pyridine: Synthesis, Structural, Thermal, and Antibacterial Studies. <i>Crystals</i> , 2020, 10, 339.	2.2	6
38	Synergistic and antagonistic effects during solvent extraction of Gd(III) ion in ionic liquids. <i>Journal of Molecular Liquids</i> , 2022, 353, 118818.	4.9	6
39	Synthesis of a series of vicinal diamines with potential biological activity. <i>Open Chemistry</i> , 2004, 2, 686-695.	1.9	4
40	Switching azonaphthols containing a side chain with limited flexibility. Part 1. Synthesis and tautomeric properties. <i>Dyes and Pigments</i> , 2012, 92, 1266-1277.	3.7	4
41	Tautomerism of 4,4-dihydroxy-1,1-naphthalidazine studied by experimental and theoretical methods. <i>Chemistry Central Journal</i> , 2013, 7, 29.	2.6	4
42	Liquid Extraction of Light Lanthanoid(III) Ions with 4-Benzoyl-3-phenyl-5-isoxazolone: The Role of Aza-Crown and Azo-Dye Fragments on the Extraction Ability. <i>Journal of Chemical &amp; Engineering Data</i> , 2014, 59, 1295-1303.	1.9	4
43	Spontaneous conversion of <i>O</i> -tosylates of 2-(piperazin-1-yl)ethanols into chlorides during classical tosylation procedure. <i>Royal Society Open Science</i> , 2019, 6, 181840.	2.4	4
44	Diastereoisomers with three neighbouring phenyl groups. XI—Hindered phenyl and formylmethylamino group rotations in 3-(formylmethylamino)-1,2,3-triphenylpropyl chlorides. <i>Magnetic Resonance in Chemistry</i> , 1988, 26, 564-570.	1.9	3
45	CONFORMATIONS OF 4,5,6-TRIPHENYL-TETRAHYDRO-1,3-THIAZINE-2-THIONES AND THEIR N-ALKYL DERIVATIVES. UNUSUAL THIAZINETHIONE OR AZETIDINE FORMATION UPON REACTION OF 3-AMINO- AND 3-METHYLAMINO-1,2,3-TRIPHENYLPROPYL CHLORIDES WITH POTASSIUM ETHYLXANTHATE. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2000, 161, 239-249.	1.6	3
46	Determination of the diastereoisomeric purity of d,l- and meso-HM-PAO by <sup>13</sup> C-NMR spectroscopy. <i>European Journal of Medicinal Chemistry</i> , 2003, 38, 219-222.	5.5	3
47	One Pot Synthesis and X-ray Crystallographic Investigation of p-t-Butylcalix[4]arenes with Flexible Narrow Rim Dimethylphosphinoylpropoxy Ligating Groups. <i>Supramolecular Chemistry</i> , 2006, 18, 621-626.	1.2	3
48	Betti Bases from 4-(3-Pyridazo)-1-naphthol: Synthesis, Coordination Behaviour and Unusual Substitution Reactions. <i>ChemistrySelect</i> , 2018, 3, 12017-12021.	1.5	3
49	Data on the synthesis and characterization of two novel polydentate ligands possessing unsymmetrical NH—urea fragment. <i>Data in Brief</i> , 2018, 20, 933-939.	1.0	3
50	Crystal structures of novel polydentate N,O-ligands. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2016, 72, s403-s403.	0.1	2
51	Constrained 1-Phenylethyl Amine Analogues as Chiral Auxiliaries in Stereoselective trans- $\beta$ -Lactam Formation via Staudinger Cycloaddition. <i>Journal of Heterocyclic Chemistry</i> , 2019, 56, 930-937.	2.6	2
52	Tetrahydropyrimidin-2(1H)-ones with three neighbouring phenyl groups. Synthesis and allylic strain effects. <i>Arkivoc</i> , 2005, 2005, 8-20.	0.5	2
53	Stereoelectronic effects in intramolecular S <sub>N</sub> 1 acyl migrations in diastereoisomeric 3-amino- and 3-methylamino-1,2,3-triphenylpropyl thiolacetates. <i>Arkivoc</i> , 2006, 2006, 91-100.	0.5	2
54	Naphthylethylamines as chiral auxiliaries in a stereoselective formation of trans- $\beta$ -lactams via Staudinger cycloaddition. <i>Arkivoc</i> , 2011, 2011, 198-212.	0.5	2

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55	Solvent-free synthesis of a series of differently N-substituted 4-amino-2-methylquinazolines under microwave irradiation. <i>Arkivoc</i> , 2006, 2006, 46-56.	0.5	2
56	A CONVENIENT SYNTHESIS OF 3-(2-METHYLPYRIDYL)ACETIC ACID METHYL ESTER, A PYRITHIAMINE INTERMEDIATE. <i>Organic Preparations and Procedures International</i> , 1994, 26, 549-551.	1.3	1
57	Unusual Azetidine or Oxazine Formation upon Reaction of O-Ethyl Dithiocarbonate with 1,2,3-Triphenyl-3-Phthalimidopropyl Iodides; Erythro Selectivity in the Reaction of Iodotrimethylsilane with Phthalimidopropanols. <i>Journal of Chemical Research Synopses</i> , 1998, , 658-659.	0.3	1
58	(E)-1-(4-Methoxyanthracen-1-yl)-2-phenyldiazene. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2011, 67, o993-o993.	0.2	1
59	Microwave assisted solventless synthesis of melamines with flexible aromatic substituents. <i>Arkivoc</i> , 2007, 2007, 232-245.	0.5	1
60	Acylpyrazolones possessing a heterocyclic moiety in the acyl fragment: intramolecular vs. intermolecular zwitterionic structures. <i>New Journal of Chemistry</i> , 2022, 46, 1080-1086.	2.8	1
61	Microwave-Accelerated Facile Synthesis of Fused Polynuclear Hydrocarbons in Dry Media by Intramolecular Friedel-Crafts Alkylation.. <i>ChemInform</i> , 2004, 35, no.	0.0	0
62	A Direct Intramolecular Asymmetric Catalytic Aldol Cyclodehydration of meso-3,4-Disubstituted-1,6-dialdehydes.. <i>ChemInform</i> , 2005, 36, no.	0.0	0
63	trans,trans-2,3,4-Triphenylazetidinium bromide. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2006, 62, o2141-o2143.	0.2	0