

# Aidar Gubaidullin

## List of Publications by Citations

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393  
papers

2,878  
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23  
h-index

30  
g-index

461  
ext. papers

3,268  
ext. citations

1.9  
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4.95  
L-index

#	Paper	IF	Citations
393	The synthesis of tetracarbonyl derivatives of thiacalix[4]arene in different conformations and their complexation properties towards alkali metal ions. <i>Tetrahedron</i> , <b>2003</b> , 59, 1469-1476	2.4	47
392	Deoxygenation of some $\beta$ -dicarbonyl compounds by tris(diethylamino)phosphine in the presence of fullerene C60. <i>Journal of Organic Chemistry</i> , <b>2011</b> , 76, 2548-57	4.2	37
391	Changes of Asphaltenes Structural Phase Characteristics in the Process of Conversion of Heavy Oil in the Hydrothermal Catalytic System. <i>Energy &amp; Fuels</i> , <b>2016</b> , 30, 773-783	4.1	36
390	Synthesis, structure and biological activity of nitroxide malonate methanofullerenes. <i>Organic and Biomolecular Chemistry</i> , <b>2007</b> , 5, 976-81	3.9	36
389	Outer-sphere association of p-sulfonatothiacalix[4]arene and tetrasulfonatomethylated calix[4]resorcinarene with cobalt(III) tris(dipyridyl): the effect on the spectral and electrochemical properties of the latter. <i>Inorganic Chemistry</i> , <b>2005</b> , 44, 4017-23	5.1	35
388	A Supramolecular Amphiphile Based on Calix[4]resorcinarene and Cationic Surfactant for Controlled Self-Assembly. <i>Journal of Physical Chemistry C</i> , <b>2013</b> , 117, 20280-20288	3.8	34
387	A reaction for the synthesis of benzimidazoles and 1H-imidazo[4,5-b]pyridines via a novel rearrangement of quinoxalinones and their aza-analogues when exposed to 1,2-arylenediamines. <i>Tetrahedron</i> , <b>2010</b> , 66, 9745-9753	2.4	34
386	Novel membrane mimetic systems based on amphiphilic oxyethylated calix[4]arene: Aggregative and liquid crystalline behavior. <i>Journal of Membrane Science</i> , <b>2010</b> , 364, 90-101	9.6	34
385	High performance magneto-fluorescent nanoparticles assembled from terbium and gadolinium 1,3-diketones. <i>Scientific Reports</i> , <b>2017</b> , 7, 40486	4.9	31
384	Chiral drug timolol maleate as a continuous solid solution: Thermochemical and single crystal X-ray evidence. <i>CrystEngComm</i> , <b>2012</b> , 14, 648-655	3.3	31
383	An efficient one-step method for the synthesis of 2-(indolizin-2-yl)benzimidazoles from quinoxalinones and $\beta$ -picoline via a novel rearrangement. <i>Tetrahedron Letters</i> , <b>2008</b> , 49, 6231-6233	2	31
382	Molecular and Crystal Structure of a Superstable Free Radical, 1,3-Diphenyl-1,4-dihydro-1,2,4-benzotriazin-4-yl. <i>Russian Journal of General Chemistry</i> , <b>2004</b> , 74, 939-943 <sup>0.7</sup>		30
381	Zn and Co redox active coordination polymers as efficient electrocatalysts. <i>Dalton Transactions</i> , <b>2019</b> , 48, 3601-3609	4.3	29
380	Efficient synthesis of 2-(pyrazol-3-yl)benzimidazoles from 3-arylacylidene-3,4-dihydroquinoxalin-2(1H)-ones and hydrazine hydrate via a novel rearrangement. <i>Tetrahedron Letters</i> , <b>2009</b> , 50, 5186-5189	2	29
379	Absolute configuration and crystal packing for three chiral drugs prone to spontaneous resolution: Guaifenesin, methocarbamol and mephesisin. <i>Journal of Molecular Structure</i> , <b>2009</b> , 920, 377-382	3.4	28
378	Three different types of chirality-driven crystallization within the series of uniformly substituted phenyl glycerol ethers. <i>Chirality</i> , <b>2008</b> , 20, 1092-103	2.1	28
377	The Kornblum Reaction of $\beta$ -Substituted 3-Benzyl-1,2-dihydro-2-oxoquinoxalines. Synthesis and Structure of 3-Benzoyl-2-oxo-1,2-dihydroquinoxaline. <i>Chemistry of Heterocyclic Compounds</i> , <b>2002</b> , 38, 1504-1510	1.4	27

376	Crystallization Features of the Chiral Drug Timolol Precursor: The Rare Case of Conglomerate with Partial Solid Solutions. <i>Crystal Growth and Design</i> , <b>2014</b> , 14, 1676-1683	3.5	26
375	Self-assembly of novel macrocyclic aminomethylphosphines with hydrophobic intramolecular cavities. <i>Dalton Transactions</i> , <b>2004</b> , 442-7	4.3	26
374	Synthesis of nontrivial quinopimaric acid derivatives by oxidation with dimethyldioxirane. <i>Tetrahedron Letters</i> , <b>2010</b> , 51, 1832-1835	2	25
373	A versatile one-step method for the synthesis of benzimidazoles from quinoxalinones and arylenediamines via a novel rearrangement. <i>Tetrahedron Letters</i> , <b>2008</b> , 49, 4644-4647	2	25
372	3D Ni and Co redox-active metal-organic frameworks based on ferrocenyl diphosphinate and 4,4'-bipyridine ligands as efficient electrocatalysts for the hydrogen evolution reaction. <i>Dalton Transactions</i> , <b>2020</b> , 49, 2794-2802	4.3	23
371	New synthesis of diterpenoid (16S)-dihydrosteviol. <i>Russian Journal of General Chemistry</i> , <b>2009</b> , 79, 967-971	3.7	23
370	Quinoxaline-benzimidazole rearrangement in the synthesis of benzimidazole-based podands. <i>Russian Journal of Organic Chemistry</i> , <b>2006</b> , 42, 1532-1543	0.7	23
369	The structure of 1-phenyl-3-benzoylamino-4-benzoylpyrazol-2-in-5-one. <i>Journal of Molecular Structure</i> , <b>2002</b> , 610, 175-179	3.4	23
368	Iron-catalyzed electrochemical C-H perfluoroalkylation of arenes. <i>Dalton Transactions</i> , <b>2015</b> , 44, 19674-84.3	4.3	22
367	Crystal structure of chiral ortho-alkyl phenyl ethers of glycerol: true racemic compound, normal, false and anomalous conglomerates within the single five-membered family. <i>CrystEngComm</i> , <b>2014</b> , 16, 6716	3.3	22
366	Metastable tert-butylcalix[6]arene with unusually large tunable free volume for non-threshold enclathration of volatiles. <i>Organic and Biomolecular Chemistry</i> , <b>2008</b> , 6, 982-5	3.9	22
365	Ring contraction in reactions of 3-benzoylquinoxalin-2-ones with 1,2-phenylenediamines. Quinoxaline-benzimidazole rearrangement. <i>Russian Chemical Bulletin</i> , <b>2004</b> , 53, 164-175	1.7	22
364	p-Tolyl glycerol ether: is it possible to find more simple molecular organogelator with pronounced chirality driven properties?. <i>Chemical Communications</i> , <b>2010</b> , 46, 3523-5	5.8	21
363	Stereoselective synthesis of 1,4,2-oxazaphosphorines as precursors of chiral $\beta$ -aminophosphonic acids by intramolecular heterocyclization of $\beta$ -aldiminoalkylphosphites. <i>Heteroatom Chemistry</i> , <b>2003</b> , 14, 56-61	1.2	21
362	Synthesis and Functionalization of 3-Ethylquinoxalin-2(1H)-one. <i>Russian Journal of Organic Chemistry</i> , <b>2005</b> , 41, 599-606	0.7	21
361	A facile synthetic route to convert Tb(III) complexes of novel tetra-1,3-diketone calix[4]resorcinarene into hydrophilic luminescent colloids. <i>New Journal of Chemistry</i> , <b>2014</b> , 38, 4130-4140	3.6	20
360	A new facile, efficient synthesis and structure peculiarity of quinoxaline derivatives with two benzimidazole fragments. <i>Tetrahedron</i> , <b>2013</b> , 69, 1403-1416	2.4	20
359	Metal-free intramolecular transannulation of N,3-diaryloxirane-2-carboxamides: a concise and versatile route to 3-arylquinolin-2(1H)-ones. <i>Tetrahedron</i> , <b>2015</b> , 71, 2670-2679	2.4	19

- 358 A simple and efficient method for the synthesis of highly substituted imidazoles using 3-aryloxyquinoxalin-2(1H)-ones. *Tetrahedron Letters*, **2011**, 52, 4280-4284 2 19
- 357 Methylviologen mediated electrosynthesis of gold nanoparticles in the solution bulk. *RSC Advances*, **2016**, 6, 1851-1859 3.7 19
- 356 Methylviologen-mediated electrochemical synthesis of silver nanoparticles via the reduction of AgCl nanospheres stabilized by cetyltrimethylammonium chloride. *Russian Journal of Electrochemistry*, **2017**, 53, 25-38 1.2 18
- 355 Crystal structure and phase behavior of the tolyl glycerol ethers. From the conglomerate former to the chirality-driven nanogelator. *CrystEngComm*, **2012**, 14, 211-222 3.3 18
- 354 One-step synthesis of rccc- and rctt-diastereomers of novel calix[4]resorcinols based on a para-thiophosphorylated derivative of benzaldehyde. *Tetrahedron Letters*, **2013**, 54, 3538-3542 2 18
- 353 Acid-catalyzed rearrangement of 3-( $\beta$ -aminostyryl)quinoxalin-2(1H)ones – new and efficient method for the synthesis of 2-benzimidazol-2-ylquinolines. *Tetrahedron Letters*, **2010**, 51, 6503-6506 2 18
- 352 Methylviologen Mediated Electrosynthesis of Palladium Nanoparticles Stabilized with CTAC. *Journal of the Electrochemical Society*, **2016**, 163, G99-G106 3.9 17
- 351 Tautomerism of aza cycles: II. Synthesis and structure of 5-substituted 3-(2-hydroxyethylsulfanyl)-1H-1,2,4-triazoles and their salts. Preference of the 1H,4H-1,2,4-triazolium tautomers. *Russian Journal of General Chemistry*, **2008**, 78, 461-479 0.7 17
- 350 Synthesis and Properties of Phosphobetaine Structures: III. Phosphobetaines Derived from Tertiary Phosphines and  $\beta$ -Unsaturated Carboxylic Acids. Synthesis, Structure, and Chemical Properties. *Russian Journal of General Chemistry*, **2002**, 72, 384-389 0.7 17
- 349 Tuning magnetic relaxation properties of "hard cores" in core-shell colloids by modification of "soft shell". *Colloids and Surfaces B: Biointerfaces*, **2018**, 162, 52-59 6 17
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- 347 The conformation and dynamic behaviour of tetrathiacalix[4]arenes functionalized by hydrazide and hydrazone groups. *Journal of Molecular Structure*, **2008**, 885, 111-121 3.4 16
- 346 Tautomerism of aza cycles: I. Structure of 3(5)-butylsulfanyl-5(3)-methyl(phenyl)-1H-1,2,4-triazole tautomers in crystal. Preference of the 3-RA-5-RD-1H-tautomer of 3(5)-mono- and 3,5-disubstituted 1,2,4-triazoles. *Russian Journal of General Chemistry*, **2006**, 76, 1471-1486 0.7 16
- 345 Synthesis of new macrocyclic aminomethylphosphines based on 4,4"-diaminodiphenylmethane and its derivatives. *Russian Chemical Bulletin*, **2002**, 51, 151-156 1.7 16
- 344 Phosphorylation of p-tert-butylthiacalix[4]arene: Reaction with phosphorus trichloride. *Tetrahedron Letters*, **1999**, 40, 8461-8464 2 16
- 343 Iodine-sodium acetate (I<sub>2</sub>/NaOAc) mediated oxidative dimerization of indolizines: an efficient method for the synthesis of biindolizines. *Tetrahedron Letters*, **2013**, 54, 3348-3352 2 15
- 342 Unusually high efficiency of  $\beta$ -cyclodextrin clathrate preparation by water-free solid-phase guest exchange. *Journal of Physical Chemistry B*, **2013**, 117, 14544-56 3.4 15
- 341 Triuracils – 1,3-Bis[ $\beta$ -(N-methyluracil-1-yl)alkyl]thymines and Their 5,5'-Cyclic Counterparts. *European Journal of Organic Chemistry*, **2007**, 2007, 4578-4593 3.2 15

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339	Polyelectrolyte-Stabilized Nanotemplates Based on Gd(III) Complexes with Macrocyclic Tetra-1,3-diketones as a Positive MR Contrast Agents. <i>ChemistrySelect</i> , <b>2016</b> , 1, 1377-1383	1.8	15
338	Intricate Phase Behavior and Crystal Structure Features of Chiral para-Methoxyphenyl Glycerol Ether Forming Continuous and Partial Solid Solutions. <i>Crystal Growth and Design</i> , <b>2017</b> , 17, 271-283	3.5	14
337	Nanoscale hydrophilic colloids with high relaxivity and low cytotoxicity based on Gd(III) complexes with Keplerate polyanions. <i>New Journal of Chemistry</i> , <b>2017</b> , 41, 5271-5275	3.6	14
336	Structure and dynamics of concentrated micellar solutions of sodium dodecyl sulfate. <i>Russian Chemical Bulletin</i> , <b>2016</b> , 65, 158-166	1.7	14
335	Methylviologen mediated electrochemical synthesis of catalytically active ultrasmall bimetallic PdAg nanoparticles stabilized by CTAC. <i>Electrochimica Acta</i> , <b>2018</b> , 285, 149-163	6.7	14
334	New Calix[4]Resorcinols with Thiophosphoryl-Containing Fragments. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , <b>2011</b> , 186, 1972-1980	1	14
333	3-Indolizin-2-ylquinoxalines and the derived monopodands. <i>Russian Chemical Bulletin</i> , <b>2005</b> , 54, 2616-2625		14
332	Excellent supercapacitor and sensor performance of robust cobalt phosphinate ferrocenyl organic framework materials achieved by intrinsic redox and structure properties. <i>Dalton Transactions</i> , <b>2019</b> , 48, 16986-16992	4.3	14
331	Fullerene Mediated Electrosynthesis of Au/C60Nanocomposite. <i>ECS Journal of Solid State Science and Technology</i> , <b>2017</b> , 6, M19-M23	2	13
330	Cobalt-Catalyzed Green Cross-Dehydrogenative C(sp <sup>2</sup> )-H/P-H Coupling Reactions. <i>Topics in Catalysis</i> , <b>2018</b> , 61, 1949-1956	2.3	13
329	Design of supramolecular biomimetic catalysts of high substrate specificity by noncovalent self-assembly of calix[4]arenes with amphiphilic and polymeric amines. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2014</b> , 117, 497-504	6	13
328	Efficient synthesis and structure peculiarity of macrocycles with bi-indolizinyloquinone moieties. <i>Tetrahedron</i> , <b>2013</b> , 69, 10675-10687	2.4	13
327	Twice as smart behavior of tert-butylthiacalix[4]arene derivative in glassy and crystalline form. <i>Physical Chemistry Chemical Physics</i> , <b>2015</b> , 17, 15887-95	3.6	13
326	Substituted benzaldehydes in the darzens condensation with alkyl dihaloacetates. <i>Russian Chemical Bulletin</i> , <b>2006</b> , 55, 1455-1463	1.7	13
325	Crystallization of chiral compounds. 2. Propranolol: free base and hydrochloride. <i>Russian Chemical Bulletin</i> , <b>2003</b> , 52, 853-861	1.7	13
324	Synthesis, structure, and complexation properties of tetraamide derivatives of thiacalix[4]arene in different conformations. <i>Russian Chemical Bulletin</i> , <b>2005</b> , 54, 2104-2112	1.7	13
323	Lyotropic La-containing lamellar liquid crystals: phase behaviour, thermal and structural properties. <i>Soft Matter</i> , <b>2015</b> , 11, 7809-16	3.6	12

- 322 The pH-responsive calix[4]resorcinarene-mPEG conjugates bearing acylhydrazone bonds: Synthesis and study of the potential as supramolecular drug delivery systems. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2020**, 589, 124453 5.1 12
- 321 Structure optimization for enhanced luminescent and paramagnetic properties of hydrophilic nanomaterial based on heterometallic Gd-Re complexes. *Materials and Design*, **2018**, 146, 49-56 8.1 12
- 320 A new surfactant-copper(ii) complex based on 1,4-diazabicyclo[2.2.2]octane amphiphile. Crystal structure determination, self-assembly and functional activity. *Physical Chemistry Chemical Physics*, **2018**, 20, 12688-12699 3.6 12
- 319 Influence of upper rim dibromo-substitution in bis-1,3-diketone calix[4]arenes on spectral properties of ligands and their lanthanide complexes. *Tetrahedron*, **2017**, 73, 5397-5407 2.4 12
- 318 Unusual functionalization of the lower rim of thiacalix[4]arene: competition of alkylation and transalkylation. *Russian Chemical Bulletin*, **2011**, 60, 486-498 1.7 12
- 317 Benzimidazoles and related heterocycles. *Russian Chemical Bulletin*, **2010**, 59, 1645-1655 1.7 12
- 316 Synthesis of terminal acetylenes using POCl<sub>3</sub> in pyridine as applied to natural triterpenoids. *Mendeleev Communications*, **2010**, 20, 234-236 1.9 12
- 315 Novel macrocyclic uracil derivatives: Structure in solid and solution. *Structural Chemistry*, **2006**, 17, 409-418 1.3 12
- 314 Unusual reactions of resorcinol and methylresorcinol with methylaminoacetaldehyde dimethyl acetal. *Mendeleev Communications*, **2005**, 15, 153-154 1.9 12
- 313 1,4-dioxins from methyl phenylchloropyruvate. Competition of the Darzens, Favorskii, and Gabriel reactions. *Chemistry of Heterocyclic Compounds*, **2000**, 36, 911-922 1.4 12
- 312 Cyclo-bis{1-[p-(p-phenylenomethyl)phenyl]-3,7-diphenyl-1,5,3,7-diazadiphosphacyclooctane} as the first representative of a new type of nitrogen-containing macroheterocyclic phosphines. *Mendeleev Communications*, **2000**, 10, 120-121 1.9 12
- 311 Synthesis of 3-Hydroxy-4-arylquinolin-2-ones Including Viridicatol via a Darzens Condensation/Friedel-Crafts Alkylation Strategy. *Journal of Organic Chemistry*, **2018**, 83, 13132-13145 4.2 12
- 310 The novel calix[4]resorcinarene-PEG conjugate: Synthesis, self-association and encapsulation properties. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2019**, 570, 182-190 5.1 11
- 309 Electrochemical synthesis of metal nanoparticles using a polymeric mediator, whose reduced form is adsorbed (deposited) on an electrode. *Russian Chemical Bulletin*, **2018**, 67, 215-229 1.7 11
- 308 Molecular Oxygen as Mediator in the Metal Nanoparticles Electrolysis in N,N-Dimethylformamide. *Russian Journal of Electrochemistry*, **2018**, 54, 265-282 1.2 11
- 307 Absolute configuration and crystal packing chirality for three conglomerate-forming ortho-halogen substituted phenyl glycerol ethers. *Journal of Molecular Structure*, **2010**, 975, 323-329 3.4 11
- 306 Carboxylate phosphobetaines based on tertiary phosphines and unsaturated dicarboxylic acids. *Russian Journal of Organic Chemistry*, **2007**, 43, 207-213 0.7 11
- 305 Synthesis and properties of phosphobetaine structures: IV. 3-(triphenylphosphonio)propanoate in reactions with dipolar electrophilic reagents. *Russian Journal of General Chemistry*, **2006**, 76, 430-436 0.7 11

304	Condensation of 4-Hydroxy-2-thiazolines with 1,2-Phenylenediamine as a Novel Effective Route to Thiazolo[3,4-a]quinoxalines. <i>Heterocycles</i> , <b>2004</b> , 63, 1783	0.8	11
303	Highly active PdNi nanocatalysts supported on multicharged polymer matrix. <i>Catalysis Science and Technology</i> , <b>2017</b> , 7, 5914-5919	5.5	10
302	Structure and catalytic activity of ultras-small Rh, Pd and (Rh + Pd) nanoparticles obtained by mediated electrosynthesis. <i>New Journal of Chemistry</i> , <b>2019</b> , 43, 3931-3945	3.6	10
301	Synthesis of novel 1,2,3-triazolyl nucleoside analogues bearing uracil, 6-methyluracil, 3,6-dimethyluracil, thymine, and quinazoline-2,4-dione moieties. <i>Tetrahedron Letters</i> , <b>2019</b> , 60, 151276	2	10
300	The first phosphorus-containing fullerene derivative applied as an electron acceptor material in organic solar cells. <i>Mendeleev Communications</i> , <b>2010</b> , 20, 137-139	1.9	10
299	Rational approach to a conglomerate-forming propranolol derivative: pointed modifications of the crystal structure. <i>Mendeleev Communications</i> , <b>2004</b> , 14, 268-270	1.9	10
298	Chemistry and Structure of Diterpene Compounds of the Kaurane Series: VIII. Azomethines Derived from Isosteviol. <i>Russian Journal of General Chemistry</i> , <b>2003</b> , 73, 1255-1260	0.7	10
297	A stereochemical approach to the Kabachnik-Belds reaction mechanism. <i>Mendeleev Communications</i> , <b>2003</b> , 13, 150-151	1.9	10
296	Synthesis, structures, and properties of 3,6-di-tert-butyl-o-benzosemiquinone complexes of copper(I) with 1,5-diaza-3,7-diphosphacyclooctanes. <i>Russian Chemical Bulletin</i> , <b>2000</b> , 49, 1782-1788	1.7	10
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294	Unusual magnetic relaxation behavior of hydrophilic colloids based on gadolinium(III) octabutoxyphthalocyaninate. <i>Journal of Nanoparticle Research</i> , <b>2019</b> , 21, 1	2.3	10
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292	Electrochemical generation and observation by magnetic resonance of superparamagnetic cobalt nanoparticles. <i>Electrochimica Acta</i> , <b>2018</b> , 260, 324-329	6.7	9
291	Polystyrenesulfonate-coated nanoparticles with low cytotoxicity for determination of copper(II) via the luminescence of Tb(III) complexes with new calix[4]arene derivatives. <i>Mikrochimica Acta</i> , <b>2018</b> , 185, 386	5.8	9
290	Anti-sieve effect in guest inclusion by thiacalix[4]arene giving a surge in thermal stability of its clathrates prepared by solid-phase guest exchange. <i>CrystEngComm</i> , <b>2014</b> , 16, 3781-3787	3.3	9
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287	Structural aspects of partial solid solution formation: two crystalline modifications of a chiral derivative of 1,5-dihydro-2H-pyrrol-2-one under consideration. <i>CrystEngComm</i> , <b>2017</b> , 19, 7277-7286	3.3	9

- 286 Synthesis of novel highly functionalized triazole-linked calix[4]resorcinols via click reaction. *Mendeleev Communications*, **2017**, 27, 556-558 1.9 9
- 285 Fullerene-mediated electrosynthesis of Ag<sup>+</sup> 60 nanocomposite in a water-organic two-phase system. *Mendeleev Communications*, **2017**, 27, 577-579 1.9 9
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- 280 Dichloroacetylaryl methanes as two-carbon synthons in the Biginelli reaction. *Chemistry of Heterocyclic Compounds*, **2006**, 42, 1229-1232 1.4 9
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