Novruz G Akhmedov

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	1,2,3-Triazoles as versatile directing group for selective sp2 and sp3 C–H activation: cyclization vs substitution. Chemical Science, 2013, 4, 3712.	3.7	214
2	Ligandâ€Assisted Goldâ€Catalyzed Crossâ€Coupling with Aryldiazonium Salts: Redox Gold Catalysis without an External Oxidant. Angewandte Chemie - International Edition, 2015, 54, 8772-8776.	7.2	133
3	Synergistic Gold and Iron Dual Catalysis: Preferred Radical Addition toward Vinyl–Gold Intermediate over Alkene. Journal of the American Chemical Society, 2015, 137, 8912-8915.	6.6	130
4	Immobilization of amino acid ionic liquids into nanoporous microspheres as robust sorbents for CO2 capture. Journal of Materials Chemistry A, 2013, 1, 2978.	5.2	104
5	Regioselective Copper-Catalyzed Boracarboxylation of Vinyl Arenes. Organic Letters, 2016, 18, 6428-6431.	2.4	83
6	Silver-Free Palladium-Catalyzed sp ³ and sp ² C–H Alkynylation Promoted by a 1,2,3-Triazole Amine Directing Group. Organic Letters, 2016, 18, 2970-2973.	2.4	81
7	Denovo asymmetric synthesis of the mezzettiaside family of natural products via the iterative use of a dual B-/Pd-catalyzed glycosylation. Chemical Science, 2014, 5, 2230-2234.	3.7	74
8	Solid-state cross-polarization magic angle spinning13C and15N NMR characterization ofSepia melanin,Sepia melanin free acid andHuman hair melanin in comparison with several model compounds. Magnetic Resonance in Chemistry, 2003, 41, 466-474.	1.1	68
9	Highly Efficient and Stereoselective Thioallylation of Alkynes: Possible Gold Redox Catalysis with No Need for a Strong Oxidant. Angewandte Chemie - International Edition, 2018, 57, 6915-6920.	7.2	56
10	Double Palladium Catalyzed Reductive Cyclizations. Synthesis of 2,2′-, 2,3′-, and 3,3′-Bi-1 <i>H</i> -indole Indolo[3,2- <i>b</i>]indoles, and Indolo[2,3- <i>b</i>]indoles. Journal of Organic Chemistry, 2016, 81, 9337-9349.	2S, 1.7	48
11	Palladium-catalyzed synthesis of 3-alkoxysubstituted indoles. Tetrahedron, 2006, 62, 10829-10834.	1.0	44
12	Ligand-controlled gold-catalyzed cycloisomerization of 1,n-enyne esters toward synthesis of dihydronaphthalene. Chemical Communications, 2016, 52, 7687-7690.	2.2	42
13	NMR spectra, GIAO and charge density calculations of five-membered aromatic heterocycles. Magnetic Resonance in Chemistry, 2007, 45, 532-543.	1.1	38
14	Total Synthesis of the Tetracyclic Indole Alkaloid Ht-13-B. Journal of Organic Chemistry, 2015, 80, 4783-4790.	1.7	38
15	Synthesis and Structure of a Functionalized [9]Cycloparaphenylene Bearing Three Indeno[2,1- <i>a</i>]fluorene-11,12-dione-2,9-diyl Units. Organic Letters, 2017, 19, 4078-4081.	2.4	34
16	Syntheses and Structures of Thiophene-Containing Cycloparaphenylenes and Related Carbon Nanohoops. Organic Letters, 2015, 17, 3470-3473.	2.4	32
17	Investigations on Gold atalyzed Thioalkyne Activation Toward Facile Synthesis of Ketene Dithioacetals. Chemistry - A European Journal, 2017, 23, 10506-10510.	1.7	28
18	Synthesis and Characterization of Functionalized [12]Cycloparaphenylenes Containing Four Alternating Biphenyl and Naphthyl Units. Journal of Organic Chemistry, 2017, 82, 4458-4464.	1.7	26

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19	Regioselective Amine–Borane Cyclization: Towards the Synthesis of 1,2â€BNâ€3 yclohexene by Copperâ€Assisted Triazole/Gold Catalysis. Angewandte Chemie - International Edition, 2016, 55, 11582-11586.	7.2	24
20	Synthesis and Properties of Conjugated Macrocycles Containing 2,7-Bis(2-thienyl)-9 <i>H</i> -fluoren-9-one Units. Organic Letters, 2017, 19, 2674-2677.	2.4	23
21	1 H and 13 C NMR spectroscopic study of oxidation of D ,L -cystine and 3,3′-dithiobis(propionic acid) with hydrogen peroxide in aqueous solution. Magnetic Resonance in Chemistry, 2003, 41, 37-41.	1.1	21
22	gNMR simulated 1H and proton-coupled 13C NMR spectra of substituted 3-nitropyridines. GIAO/DFT calculated values of proton and carbon chemical shifts and coupling constants. Journal of Molecular Structure, 2006, 787, 131-147.	1.8	20
23	Synthesis of Cycloparaphenylenes Bearing Furanâ€2,5â€diyl or 2,2'â€Bifuranâ€5,5'â€diyl Units in the Ma Structures. Chemistry - A European Journal, 2016, 22, 16420-16424.	crocyclic 1.7	20
24	Photoluminescence of Sevenâ€Coordinate Zirconium and Hafnium Complexes with 2,2′â€Pyridylpyrrolide Ligands. Chemistry - A European Journal, 2019, 25, 3042-3052.	1.7	20
25	Synthesis of tryptophan derivatives via a palladium-catalyzed N-heteroannulation. Tetrahedron: Asymmetry, 2008, 19, 2775-2783.	1.8	18
26	Dynamic NMR andab initio studies of exchange between rotamers of derivatives of octahydrofuro[3,4-f]isoquinoline-7(1H)-carboxylate and tetrahydro-2,5,6(1H)-isoquinolinetricarboxylate. Magnetic Resonance in Chemistry, 2004, 42, 39-48.	1.1	17
27	Construction of a cross-layer linked G-octamer via conformational control: a stable G-quadruplex in H-bond competitive solvents. Chemical Science, 2019, 10, 4192-4199.	3.7	17
28	Reactivity of Pyridine Dipyrrolide Iron(II) Complexes with Organic Azides: C–H Amination and Iron Tetrazene Formation. Inorganic Chemistry, 2019, 58, 11028-11042.	1.9	16
29	Experimental and Computational Analysis of CO ₂ Addition Reactions Relevant to Copper-Catalyzed Boracarboxylation of Vinyl Arenes: Evidence for a Phosphine-Promoted Mechanism. Organometallics, 2021, 40, 23-37.	1.1	16
30	Highly Efficient and Stereoselective Thioallylation of Alkynes: Possible Gold Redox Catalysis with No Need for a Strong Oxidant. Angewandte Chemie, 2018, 130, 7031-7036.	1.6	14
31	Kinetics of the OH Radical Reaction with Fulvenallene from 298 to 450 K. Journal of Physical Chemistry Letters, 2015, 6, 4997-5001.	2.1	14
32	Hydrogen Peroxide Modifies Aβ–Membrane Interactions with Implications for Aβ ₄₀ Aggregation. Biochemistry, 2019, 58, 2893-2905.	1.2	12
33	Conformational NMR study of N-substituted-1,3,4,5-tetrahydro-1H-2-benzazepines. Perkin Transactions II RSC, 2002, , 1986-1993.	1.1	10
34	Gold/gallium-catalyzed annulation of 1,3-dicarbonyl compounds and cyclopropylacetylenes for synthesis of substituted cyclopentenes. RSC Advances, 2016, 6, 17386-17389.	1.7	10
35	Photochemical synthesis of a zirconium cyclobutadienyl complex. Chemical Communications, 2020, 56, 5397-5400.	2.2	10
36	Synthesis of Partially Hydrogenated Cycloparaphenylenes with Bent and Fused Structures Bearing Armchair Carbon Nanotube-like Connections. Journal of Organic Chemistry, 2017, 82, 1166-1174.	1.7	8

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37	Direct Entry to 4,10-Didesmethyl (9 <i>S</i>)-Dihydroerythronolide A via Catalytic Allene Osmylation. Organic Letters, 2016, 18, 2868-2871.	2.4	7
38	Reversed Cation Selectivity of G 8 â€Octamer and G 16 â€Hexadecamer towards Monovalent and Divalent Cations. Chemistry - an Asian Journal, 2020, 15, 1030-1034.	1.7	7
39	Synthesis of the tricyclic indole alkaloids, dilemmaones A and B. Tetrahedron, 2019, 75, 130714.	1.0	6
40	Complete analysis of the ¹ H and ¹³ C NMR spectra of diastereomeric mixtures of (R,S―and S,Sâ€)â€3,6â€dimethoxyâ€2,5â€dihydropyrazineâ€substituted indoles and their conformational preference in solution. Magnetic Resonance in Chemistry, 2010, 48, 134-150.	1.1	5
41	A conformational NMR analysis of methymycin aglycones: complete and unambiguous assignments of stereochemically diverse glycosylated methymycin analogs by 1D and 2D NMR techniques and molecular modeling. Magnetic Resonance in Chemistry, 2013, 51, 156-167.	1.1	5
42	Synthesis of Molecular Nanohoops Bearing a Tetrahydro[6]cycloparaphenylene Fused to a Hydrogenated or a Bithiophene-Inserted Cycloparaphenylene. Journal of Organic Chemistry, 2018, 83, 1216-1222.	1.7	5
43	Effects of 2,6â€Dichlorophenyl Substituents on the Coordination Chemistry of Pyridine Dipyrrolide Iron Complexes. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2021, 647, 1503-1517.	0.6	5
44	Structure elucidation of [1,3]oxazolo[4,5-e][2,1]benzisoxazole and naphtho[1,2-d][1,3]- and phenanthro[9,10-d]oxazoles using gradient selected gHMBC, gHMQC and gHMQC-TOCSY NMR techniques. Magnetic Resonance in Chemistry, 2003, 41, 908-920.	1.1	4
45	1H and13C NMR conformational study of 2-(benzotriazol-1-yl)-substituted tetrahydrofurans. Journal of Physical Organic Chemistry, 2003, 16, 158-165.	0.9	4
46	Regioselective Amine–Borane Cyclization: Towards the Synthesis of 1,2â€BNâ€3 yclohexene by Copperâ€Assisted Triazole/Gold Catalysis. Angewandte Chemie, 2016, 128, 11754-11758.	1.6	4
47	1H and 13C NMR study of tetrahydro-1,4-benzothiazepine conformationsElectronic supplementary information (ESI) available: crystal data, structure refinement and a perspective view of the X-ray crystal structure of 1. See http://www.rsc.org/suppdata/p2/b2/b205768a/. Perkin Transactions II RSC, 2002 1816-1822	1.1	3
48	Synthesis of new cyanoâ€substituted analogues of Tröger's bases from bromoâ€derivatives. A stereochemical dependence of longâ€range (ⁿ <i>J</i> _{HH} , <i>n</i> Â=Â4, 5, and 6) protonâ€"proton and protonâ€"carbon (ⁿ <i>J</i> _{CH} , <i>n</i> Â=Â1, 2, 3, 4, and 5) coupling constants of these compounds. Magnetic Resonance in Chemistry, 2019, 57, 423-454.	1.1	3
49	Glycosylation of an allenic erythronolide. Journal of Antibiotics, 2019, 72, 432-436.	1.0	2
50	Synthesis of a Cyclophane Bearing Two Benz[a]anthracene Units Connected at the 5 and 7 Positions with Two Naphth-1,4-diyl Groups. Journal of Organic Chemistry, 2018, 83, 2455-2459.	1.7	1