Vadim Y Kukushkin

List of Publications by Year
in descending order

323	11,600	31976	51608
papers	citations	53 h-index	86 g-index

339	339	339	5516
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Additions to Metal-Activated Organonitriles. Chemical Reviews, 2002, 102, 1771-1802.	47.7	701
2	Metal-Mediated and Metal-Catalyzed Reactions of Isocyanides. Chemical Reviews, 2015, 115, 2698-2779.	47.7	442
3	Metal-mediated and metal-catalyzed hydrolysis of nitriles. Inorganica Chimica Acta, 2005, 358, 1-21.	2.4	391
4	Oxime and oximate metal complexes: unconventional synthesis and reactivity. Coordination Chemistry Reviews, 1999, 181, 147-175.	18.8	251
5	Metal-ion assisted reactions of oximes and reactivity of oxime-containing metal complexes. Coordination Chemistry Reviews, 1996, 156, 333-362.	18.8	186
6	Acyclic diaminocarbenes (ADCs) as a promising alternative to N-heterocyclic carbenes (NHCs) in transition metal catalyzed organic transformations. Coordination Chemistry Reviews, 2012, 256, 2029-2056.	18.8	169
7	Tuning of Redox Potentials for the Design of Ruthenium Anticancer Drugs â^' an Electrochemical Study of [trans-RuCl4L(DMSO)]-and [trans-RuCl4L2]-Complexes, where L = Imidazole, 1,2,4-Triazole, Indazole. Inorganic Chemistry, 2004, 43, 7083-7093.	4.0	159
8	Metal-Involving Synthesis and Reactions of Oximes. Chemical Reviews, 2017, 117, 13039-13122.	47.7	154
9	Halogen bonding between metal centers and halocarbons. Chemical Communications, 2016, 52, 5565-5568.	4.1	136
10	Metal-ion mediated deoxygenation of sulfoxides. Coordination Chemistry Reviews, 1995, 139, 375-407.	18.8	118
11	Zinc(II)/Ketoxime System as a Simple and Efficient Catalyst for Hydrolysis of Organonitriles. Inorganic Chemistry, 2002, 41, 4798-4804.	4.0	115
12	Difference in Energy between Two Distinct Types of Chalcogen Bonds Drives Regioisomerization of Binuclear (Diaminocarbene)Pd^{II} Complexes. Journal of the American Chemical Society, 2016, 138, 14129-14137.	13.7	114
13	Platinum(IV)-Assisted [2 + 3] Cycloaddition of Nitrones to Coordinated Organonitriles. Synthesis of Î”4-1,2,4-Oxadiazolines. Journal of the American Chemical Society, 2000, 122, 3106-3111.	13.7	110
14	Iminoacylation. 1. Addition of Ketoximes or Aldoximes to Platinum(IV)-Bound Organonitriles. Inorganic Chemistry, 1998, 37, 6511-6517.	4.0	95
15	Synthesis, X-ray Diffraction Structures, Spectroscopic Properties, and in vitro Antitumor Activity of Isomeric (1H-1,2,4-Triazole)Ru(III) Complexes. Inorganic Chemistry, 2003, 42, 6024-6031.	4.0	94
16	Novel Metal-Mediated (M = Pd, Pt) Coupling between Isonitriles and Benzophenone Hydrazone as a Route to Aminocarbene Complexes Exhibiting High Catalytic Activity (M = Pd) in the Suzukiâ^'Miyaura Reaction. Organometallics, 2009, 28, 6559-6566.	2.3	93
17	[2 + 3] Cycloaddition of Nitrones to Platinum-Bound Organonitriles:â€‰ Effect of Metal Oxidation State and of Nitrile Substituent. Inorganic Chemistry, 2001, 40, 264-271.	4.0	91
18	Addition of HO-nucleophiles to free and coordinated nitriles. Russian Chemical Reviews, 2005, 74, 153-170.	6.5	87

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19	A Route to 1,2,4-Oxadiazoles and Their Complexes via Platinum-Mediated 1,3-Dipolar Cycloaddition of Nitrile Oxides to Organonitriles. Inorganic Chemistry, 2003, 42, 896-903.	4.0	84
20	Electrophilicâ€“Nucleophilic Dualism of Nickel(II) toward NiÂ·Â·Â·I Noncovalent Interactions: Semicoordination of Iodine Centers via Electron Belt and Halogen Bonding via Ïƒ-Hole. Inorganic Chemistry, 2017, 56, 13562-13578.	4.0	84
21	Facile Ni(II)/Ketoxime-Mediated Conversion of Organonitriles into Imidoylamidine Ligands. Synthesis of Imidoylamidines and Acetyl Amides. Inorganic Chemistry, 2003, 42, 7239-7248.	4.0	83
22	Coordination chemistry and metal-involving reactions of amidoximes: Relevance to the chemistry of oximes and oxime ligands. Coordination Chemistry Reviews, 2016, 313, 62-93.	18.8	83
23	Iminoacylation. 3. Formation of Platinum(IV)-Based Metallaligands Due to Facile One-End Addition ofvic-Dioximes to Coordinated Organonitriles1-3. Inorganic Chemistry, 2000, 39, 216-225.	4.0	80
24	H₂C(X)â€“XÂ·Â·Â·X^{â€“} (X = Cl, Br) Halogen Bonding of Dihalomethanes. Crystal Growth and Design, 2017, 17, 1353-1362.	3.0	78
25	1,3-Dipolar cycloaddition of nitrone-type dipoles to uncomplexed and metal-bound substrates bearing the CN triple bond. Coordination Chemistry Reviews, 2011, 255, 2946-2967.	18.8	75
26	An Efficient Synthesis of Phthalocyanines Based on an Unprecedented Double-Addition of Oximes to Phthalonitriles. Journal of the American Chemical Society, 2004, 126, 15040-15041.	13.7	74
27	Dramatically Enhanced Solubility of Halideâ€Containing Organometallic Species in Diiodomethane: The Role of Solventâ‹…â‹…â‹…Complex Halogen Bonding. Angewandte Chemie - International Edition, 2018, 57, 12785-12789.	13.8	73
28	Fine-tuning halogen bonding properties of diiodine through halogenâ€“halogen charge transfer â€“ extended [Ru(2,2â€²-bipyridine)(CO)₂X₂]Â·I₂systems (X = Cl, Br, I). CrystEngComm, 2016, 18, 1987-1995.	2.6	71
29	Azametallacycles from Ag(I)- or Cu(II)-Promoted Coupling Reactions of Dialkylcyanamides with Oximes at Pt(II). Inorganic Chemistry, 2001, 40, 1134-1142.	4.0	70
30	Coupling between 3-Iminoisoindolin-1-ones and Complexed Isonitriles as a Metal-Mediated Route to a Novel Type of Palladium and Platinum Iminocarbene Species. Organometallics, 2008, 27, 5379-5389.	2.3	69
31	Identification of Hexameric Water and Hybrid Waterâ€“Chloride Clusters Intercalated in the Crystal Hosts of (Imidoylamidine)nickel(II) Complexes. European Journal of Inorganic Chemistry, 2007, 2007, 4621-4627.	2.0	67
32	ADC-Based Palladium Catalysts for Aqueous Suzukiâ€“Miyaura Cross-Coupling Exhibit Greater Activity than the Most Advantageous Catalytic Systems. Organometallics, 2013, 32, 5212-5223.	2.3	67
33	Halides Held by Bifurcated Chalcogenâ€“Hydrogen Bonds. Effect of Î¼_(S,Nâ€“H)Cl Contacts on Dimerization of Cl(carbene)Pd^{II} Species. Inorganic Chemistry, 2018, 57, 3420-3433.	4.0	66
34	Reduction of (imine)Pt(IV) to (imine)Pt(II) Complexes with Carbonyl-Stabilized Phosphorus Ylides. Inorganic Chemistry, 2001, 40, 1683-1689.	4.0	65
35	Novel Reactivity Mode of Metal Diaminocarbenes: Palladium(II)-Mediated Coupling between Acyclic Diaminocarbenes and Isonitriles Leading to Dinuclear Species. Organometallics, 2011, 30, 3362-3370.	2.3	65
36	Substituent R-Dependent Regioselectivity Switch in Nucleophilic Addition ofN-Phenylbenzamidine to Pd^{II}- and Pt^{II}-Complexed Isonitrile RNâ‰¡C Giving Aminocarbene-Like Species. Organometallics, 2011, 30, 863-874.	2.3	65

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37	Facile Gold-Catalyzed Heterocyclization of Terminal Alkynes and Cyanamides Leading to Substituted 2-Amino-1,3-Oxazoles. Organic Letters, 2015, 17, 3502-3505.	4.6	65
38	Diiodomethane as a halogen bond donor toward metal-bound halides. CrystEngComm, 2017, 19, 2517-2525.	2.6	64
39	Platinum(IV)-Mediated Nitrileâ^'Sulfimide Coupling:Â A Route to Heterodiazadienes. Inorganic Chemistry, 2003, 42, 301-311.	4.0	62
40	Noncovalent Interactions Involving Iodofluorobenzenes: The Interplay of Halogen Bonding and Weak Ip(O)Â·Â·Â·Ï€-Hole_{arene} Interactions. Crystal Growth and Design, 2018, 18, 7641-7654.	3.0	62
41	Platinum(iv)-mediated hydrolysis of nitriles giving metal-bound iminols. Dalton Transactions RSC, 2002, , 1882-1887.	2.3	61
42	Pop-the-Cork Strategy in Synthetic Utilization of Imines:â€‰ Stabilization by Complexation and Activation via Liberation of the Ligated Species. Inorganic Chemistry, 2003, 42, 3602-3608.	4.0	58
43	Application of palladium complexes bearing acyclic amino(hydrazido)carbene ligands as catalysts for copper-free Sonogashira cross-coupling. Journal of Catalysis, 2015, 329, 449-456.	6.2	58
44	Novel Tailoring Reaction for Two Adjacent Coordinated Nitriles Giving Platinum 1,3,5-Triazapentadiene Complexes. Inorganic Chemistry, 2008, 47, 11487-11500.	4.0	57
45	Metalâ€Mediated [2+3] Cycloaddition of Nitrones to Palladiumâ€Bound Isonitriles. Chemistry - A European Journal, 2009, 15, 5969-5978.	3.3	57
46	1,3-Dipolar Cycloaddition of Nitrones to Free and Pt-Bound Nitriles. A Theoretical Study of the Activation Effect, Reactivity, and Mechanism. Journal of Physical Chemistry A, 2003, 107, 6108-6120.	2.5	56
47	Recognition of the Ï€-hole donor ability of iodopentafluorobenzene â€“ a conventional Ïƒ-hole donor for crystal engineering involving halogen bonding. CrystEngComm, 2019, 21, 616-628.	2.6	56
48	A new family of luminescent compounds: platinum(ii) imidoylamidinates exhibiting pH-dependent room temperature luminescence. Dalton Transactions, 2006, , 3798-3805.	3.3	55
49	A family of heterotetrameric clusters of chloride species and halomethanes held by two halogen and two hydrogen bonds. CrystEngComm, 2016, 18, 5278-5286.	2.6	55
50	Conversion of alkanenitriles to amidines and carboxylic acids mediated by a cobalt(II)â€“ketoxime system. Journal of the Chemical Society, Perkin Transactions 1, 2001, , 1569-1573.	1.3	54
51	Hydrolytic Metal-Mediated Coupling of Dialkylcyanamides at a Pt(IV) Center Giving a New Family of Diimino Ligands. Inorganic Chemistry, 2003, 42, 7560-7568.	4.0	54
52	Novel Palladiumâ€“Aminocarbene Species Derived from Metal-Mediated Coupling of Isonitriles and 1,3-Diiminoisoindoline: Synthesis and Catalytic Application in Suzukiâ€“Miyaura Cross-Coupling. Organometallics, 2012, 31, 2379-2387.	2.3	54
53	Identification and H(D)-bond energies of Câ€“H(D)â‹¯Cl interactions in chlorideâ€“haloalkane clusters: a combined X-ray crystallographic, spectroscopic, and theoretical study. Physical Chemistry Chemical Physics, 2016, 18, 14104-14112.	2.8	54
54	Supramolecular Assembly of Metal Complexes by (Aryl)Iâ‹…â‹…â‹…d[Pt^{II}] Halogen Bonds. Chemistry - A European Journal, 2020, 26, 7692-7701.	3.3	54

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55	Direct Addition of Alcohols to Organonitriles Activated by Ligation to a Platinum(IV) Center. Inorganic Chemistry, 2002, 41, 2041-2053.	4.0	53
56	Reversion of Structure-Activity Relationships of Antitumor Platinum Complexes by Acetoxime but Not Hydroxylamine Ligands. Molecular Pharmacology, 2007, 71, 357-365.	2.3	53
57	(Isocyano Group Ï€â€Hole)â‹…â‹…â‹…[dâ€M^{II}] Interactions of (Isocyanide)[M^{II}] Complexes, in which Positively Charged Metal Centers (d⁸â€M=Pt, Pd) Act as Nucleophiles. Chemistry - A European Journal, 2019, 25, 8590-8598.	3.3	53
58	Theoretical Study of Reactant Activation in 1,3-Dipolar Cycloadditions of Cyclic Nitrones to Free and Pt-Bound Nitriles. Journal of Organic Chemistry, 2006, 71, 582-592.	3.2	52
59	Unsymmetrical Nillâ€“Imidoylamidine Complexes Derived from a Novel Oxime-Mediated Single-Pot Reaction of Nitriles. Chemistry - A European Journal, 2007, 13, 786-791.	3.3	52
60	Nucleophilicity of Oximes Based upon Addition to a Nitriliumcloso-Decaborate Cluster. Organometallics, 2016, 35, 3612-3623.	2.3	52
61	Metal-assisted coupling of oximes and nitriles: a synthetic, structural and theoretical study. Dalton Transactions RSC, 2000, , 4683-4693.	2.3	51
62	Coordination chemistry of dialkylcyanamides: Binding properties, synthesis of metal complexes, and ligand reactivity. Coordination Chemistry Reviews, 2013, 257, 2293-2316.	18.8	51
63	Reverse Arene Sandwich Structures Based upon Ï€â€Holeâ‹…â‹…â‹…[M^{II}] (d⁸â€‰M=Pt, Pd) Interactions, where Positively Charged Metal Centers Play the Role of a Nucleophile. Angewandte Chemie - International Edition, 2019, 58, 4164-4168.	13.8	51
64	Metal-Involving Bifurcated Halogen Bonding Câ€“BrÂ·Â·Â·Î·²(Clâ€“Pt). Crystal Growth and Design, 2019, 19, 1364-1376.	3.0	51
65	Hydrogen-Bonding Patterns in Oxime/Oximato Platinum(II) Species Providing the Formation of One-Dimensional Chains, Two-Dimensional Networks, and Cages. Inorganic Chemistry, 1997, 36, 6157-6165.	4.0	50
66	Nitrileâ^'Amidine Coupling at Pt(IV) and Pt(II) Centers. An Easy Entry to Imidoylamidine Complexes. Inorganic Chemistry, 2005, 44, 5152-5160.	4.0	50
67	Palladium-ADC complexes as efficient catalysts in copper-free and room temperature Sonogashira coupling. Journal of Molecular Catalysis A, 2014, 395, 162-171.	4.8	50
68	Ligation-Enhanced Ï€-HoleÂ·Â·Â·Ï€ Interactions Involving Isocyanides: Effect of Ï€-HoleÂ·Â·Â·Ï€ Noncovalent Bonding on Conformational Stabilization of Acyclic Diaminocarbene Ligands. Inorganic Chemistry, 2018, 57, 6722-6733.	4.0	50
69	Structure-Directing Weak Interactions with 1,4-Diiodotetrafluorobenzene Convert One-Dimensional Arrays of [M^{II}(acac)₂] Species into Three-Dimensional Networks. Crystal Growth and Design, 2018, 18, 3626-3636.	3.0	50
70	Novel Cis- and Trans-Configured Bis(oxime)platinum(II) Complexes: Synthesis, Characterization, and Cytotoxic Activity. Inorganic Chemistry, 2010, 49, 5669-5678.	4.0	49
71	Hexaiododiplatinate(<scp>ii</scp>) as a useful supramolecular synthon for halogen bond involving crystal engineering. Dalton Transactions, 2020, 49, 356-367.	3.3	49
72	Nature of the Nucleophilic Oxygenation Reagent Is Key to Acid-Free Gold-Catalyzed Conversion of Terminal and Internal Alkynes to 1,2-Dicarbonyls. Journal of Organic Chemistry, 2020, 85, 745-757.	3.2	49

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73	Metallophilic interactions in polymeric group 11 thiols. Solid State Sciences, 2016, 60, 92-98.	3.2	48
74	Efficient Ï€-stacking with benzene provides 2D assembly of trans-[PtCl2(p-CF3C6H4CN)2]. Journal of Molecular Structure, 2016, 1104, 19-23.	3.6	48
75	Theoretical Study of Chemo-, Regio-, and Stereoselectivity in 1,3-Dipolar Cycloadditions of Nitrones and Nitrile Oxides to Free and Pt-Bound Bifunctional Dipolarophiles. Journal of Organic Chemistry, 2007, 72, 4475-4485.	3.2	47
76	Facile rhenium(IV)-mediated coupling of acetonitrile and oximesâ€Šâ€. Journal of the Chemical Society Dalton Transactions, 1999, , 4083-4086.	1.1	46
77	Metal-mediated reactions between dialkylcyanamides and acetamidoxime generate unusual (nitrosoguanidinate)nickel(<scp>ii</scp>) complexes. Dalton Transactions, 2017, 46, 10090-10101.	3.3	46
78	The halogen bond with isocyano carbon reduces isocyanide odor. Nature Communications, 2020, 11, 2921.	12.8	46
79	Microwave-assisted [2 + 3] cycloaddition of nitrones to platinum-(ii) and -(iv) bound organonitriles. Dalton Transactions, 2003, , 2540-2543.	3.3	45
80	Dihalomethanes as Bent Bifunctional XB/XBâ€Donating Building Blocks for Construction of Metalâ€Involving Halogen Bonded Hexagons. Chemistry - an Asian Journal, 2019, 14, 3915-3920.	3.3	45
81	Thermal Cis to Trans Isomerization of [PtCl2(C2H5CN)2] and Crystal Structures of the cis- and trans-Isomers.. Acta Chemica Scandinavica, 1995, 49, 72-75.	0.7	45
82	Rhodium(III)-mediated oximeâ€“nitrile coupling giving chelated iminoacylated speciesâ€Šâ€. Journal of the Chemical Society Dalton Transactions, 1999, , 3047-3052.	1.1	44
83	First Example of the Solid-State Thermal Cyclometalation of Ligated Benzophenone Imine Giving Novel Luminescent Platinum(II) Species. Inorganic Chemistry, 2007, 46, 4469-4482.	4.0	44
84	Solid state and dynamic solution structures of O-carbamidine amidoximes gives further insight into the mechanism of zinc(II)-mediated generation of 1,2,4-oxadiazoles. Journal of Molecular Structure, 2016, 1111, 142-150.	3.6	44
85	Diaryliodonium as a double Ïƒ-hole donor: the dichotomy of thiocyanate halogen bonding provides divergent solid state arylation by diaryliodonium cations. Organic Chemistry Frontiers, 2020, 7, 2230-2242.	4.5	44
86	Novel Reactivity Mode of Hydroxamic Acids:Â A Metalla-Pinner Reaction. Inorganic Chemistry, 2002, 41, 2981-2986.	4.0	43
87	Goldâ€Catalyzed Oxidation of Internal Alkynes into Benzils and its Application for Oneâ€Pot Synthesis of Fiveâ€, Sixâ€, and Sevenâ€Membered Azaheterocycles. European Journal of Organic Chemistry, 2019, 2019, 1856-1864.	2.4	43
88	The first direct observation of Nâ€“O bond cleavage in the oxidative addition of an oxime to a metal centre. Synthesis and crystal structure of the methyleneamide complex trans-[Re(OH)(Nî€†CMe2)(Ph2PCH2CH2PPh2)2][HSO4]. Journal of the Chemical Society Dalton Transactions, 1998, , 325-326.	1.1	42
89	Metal Centers as Nucleophiles: Oxymoron of Halogen Bondâ€Involving Crystal Engineering. Chemistry - A European Journal, 2022, 28, .	3.3	41
90	X-ray structure determination of cis-dichloro(dimethyl sulfoxide)(acetonitrile)platinum(II) and cis-dibromo(dimethyl sulfoxide)(acetonitrile)platinum(II). cis-influence of ligands in the complexes cis-[Pt(Me2SO)(ligand)Cl2]. Inorganica Chimica Acta, 1990, 169, 101-107.	2.4	39

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91	A Novel Reactivity Mode for Metal-Activated Dialkylcyanamide Species: Addition ofN,Nâ€²-Diphenylguanidine to acis-(R₂NCN)₂Pt^{II}Center Giving an Eight-Membered Chelated Platinaguanidine. Inorganic Chemistry, 2009, 48, 2583-2592.	4.0	39
92	Ï€-HoleÂ·Â·Â·d_z²[Pt^{II}] Interactions with Electron-Deficient Arenes Enhance the Phosphorescence of Pt^{II}-Based Luminophores. Inorganic Chemistry, 2020, 59, 9308-9314.	4.0	39
93	Bifurcated Halogen Bonding Involving Two Rhodium(I) Centers as an Integrated Ïƒ-Hole Acceptor. Jacs Au, 2021, 1, 354-361.	7.9	39
94	Bifunctional activation of cyanoguanidine. Synthesis and molecular structure of the azametallacycle cis-[(PPh3)2Pt{NHC(OMe)=NC(NH2)=NH}][BPh4]. Inorganica Chimica Acta, 1997, 265, 267-270.	2.4	38
95	Semicoordination Bond Breaking and Halogen Bond Making Change the Supramolecular Architecture of Metal-Containing Aggregates. Crystal Growth and Design, 2020, 20, 6956-6965.	3.0	38
96	cis-Influence determination of ethylene and benzyl cyanide ligands in the complexes cis-[Pt(Me2SO)(C2H4)Cl2] and cis-[Pt(Me2SO)-(PhCH2CN)Cl2] on the basis of X-ray structure data. IR and 1H, 13C and 195Pt NMR characterization of the cis-[Pt(Me2SO)LCl2] series. Inorganica Chimica Acta, 1991, 185, 143-154.	2.4	37
97	Iminoacylation. Inorganica Chimica Acta, 1999, 292, 272-275.	2.4	37
98	First observation of metal-mediated nitrileâ€“imine coupling giving ligated 1,3-diaza-1,3-dienes. Dalton Transactions RSC, 2001, , 560-566.	2.3	37
99	Unusual Reaction between (Nitrile)Pt Complexes and Pyrazoles:Â Substitution Proceeds via Metal-Mediated Nitrileâ^'Pyrazole Coupling Followed by Elimination of the Nitrile. Inorganic Chemistry, 2006, 45, 5073-5083.	4.0	37
100	First example of an imine addition to coordinated isonitrile. Inorganica Chimica Acta, 2009, 362, 833-838.	2.4	37
101	ADC-metal complexes as effective catalysts for hydrosilylation of alkynes. Journal of Catalysis, 2014, 309, 79-86.	6.2	37
102	Zinc(II)-Mediated Nitrileâ€“Amidoxime Coupling Gives New Insights into H⁺-Assisted Generation of 1,2,4-Oxadiazoles. Inorganic Chemistry, 2014, 53, 10312-10324.	4.0	37
103	1,3-Dipolar cycloaddition of nitrile oxides to free and Pt-bound nitriles: a theoretical study of the activation effect, reactivity and mechanism. Inorganica Chimica Acta, 2003, 356, 85-94.	2.4	36
104	Tris-isocyanide copper(I) complexes: Synthetic, structural, and theoretical study. Inorganica Chimica Acta, 2015, 434, 31-36.	2.4	36
105	Bifurcated Halogen Bonding Involving Diaryliodonium Cations as Iodine(III)-Based Double-Ïƒ-Hole Donors. Crystal Growth and Design, 2021, 21, 1136-1147.	3.0	36
106	Hydrogen bonding patterns in pyrazole Pt(II- and IV) chloride complexes. Inorganica Chimica Acta, 2006, 359, 320-326.	2.4	35
107	Platinum Complexes with Chelating Acyclic Aminocarbene Ligands Work as Catalysts for Hydrosilylation of Alkynes. ACS Omega, 2018, 3, 863-871.	3.5	35
108	Threeâ€Component [2+2+1] Gold(I)â€Catalyzed Oxidative Generation of Fully Substituted 1,3â€Oxazoles Involving Internal Alkynes. Advanced Synthesis and Catalysis, 2019, 361, 2926-2935.	4.3	35

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109	Reverse Sandwich Structures from Interplay between Lone Pairâ˜Ï€-Hole Atom-Directed CÂ·Â·Â·d_{z²} [M] and Halogen Bond Interactions. Crystal Growth and Design, 2020, 20, 995-1008.	3.0	35
110	Platinum(iv)-mediated coupling of dione monoximes and nitriles: a novel reactivity pattern of the classic oxime-based chelating ligands. New Journal of Chemistry, 2002, 26, 1085-1091.	2.8	34
111	Novel and Mild Route to Phthalocyanines and 3â€Iminoisoindolinâ€1â€ones via N,Nâ€Diethylhydroxylamineâ€Promoted Conversion of Phthalonitriles and a Dramatic Solventâ€Dependence of the Reaction. Advanced Synthesis and Catalysis, 2008, 350, 135-142.	4.3	34
112	Platinum(II)-Complexed Tetrahydroimidazo[1,2-b][1,2,4]oxadiazoles Derived from Metal-Mediated 1,3-Dipolar Cycloaddition. Novel Type of Heterocycles, Which Do Not Exist without the Metal Center. Organometallics, 2009, 28, 1406-1413.	2.3	34
113	Comparative Theoretical Study of 1,3-Dipolar Cycloadditions of Allyl-Anion Type Dipoles to Free and Pt-Bound Nitriles. Journal of Organic Chemistry, 2010, 75, 1474-1490.	3.2	34
114	Synthesis, Characterization, and Cytotoxic Activity of Novel Potentially pH-Sensitive Nonclassical Platinum(II) Complexes Featuring 1,3-Dihydroxyacetone Oxime Ligands. Inorganic Chemistry, 2011, 50, 10673-10681.	4.0	34
115	Unexpectedly efficient activation of pushâ€“pull nitriles by a PtII center toward dipolar cycloaddition of Z-nitrones. Dalton Transactions, 2011, 40, 4175.	3.3	34
116	1,3-Dipolar Cycloaddition of Nitrones to a Nitrile Functionality in closo-Decaborate Clusters: A Novel Reactivity Mode for the Borylated Câ‰¡N Group. Organometallics, 2012, 31, 1716-1724.	2.3	34
117	Metal-involving halogen bond Arâ€“Iâ‹¯[dz2PtII] in a platinum acetylacetonate complex. CrystEngComm, 2020, 22, 554-563.	2.6	34
118	Metal-mediated hydrolysis of the oxime Cî€†N bond to produce RhIII-bound O-iminoacylated MeC(î€†NH)ONH2 species. Dalton Transactions RSC, 2000, , 1567-1572.	2.3	33
119	Synthesis of (1,2,4-Oxadiazole)palladium(II) Complexes by [2 + 3] Cycloaddition of Nitrile Oxides to Organonitriles in the Presence of PdCl2. European Journal of Inorganic Chemistry, 2005, 2005, 845-853.	2.0	33
120	Different Routes for Amination of Platinum(II)-Bound Cyanoguanidine. Inorganic Chemistry, 2009, 48, 8678-8688.	4.0	33
121	Solvent- and halide-free synthesis of pyridine-2-yl substituted ureas through facile Câ€“H functionalization of pyridine N-oxides. Green Chemistry, 2016, 18, 6630-6636.	9.0	33
122	Addition of N-nucleophiles to gold(<scp>iii</scp>)-bound isocyanides leading to short-lived gold(<scp>iii</scp>) acyclic diaminocarbene complexes. New Journal of Chemistry, 2017, 41, 3246-3250.	2.8	33
123	Iminoacylation. Inorganica Chimica Acta, 2000, 300-302, 499-504.	2.4	32
124	Interplay between Nitrones and (Nitrile)PdII Complexes: Cycloaddition vs. Complexation Followed by Cyclopalladation and Deoxygenation Reactions. European Journal of Inorganic Chemistry, 2005, 2005, 3042-3048.	2.0	32
125	Guanidine platinum(II) complexes: synthesis, in vitro antitumor activity, and DNA interactions. Journal of Inorganic Biochemistry, 2014, 133, 33-39.	3.5	32
126	Copper(I)-Catalyzed 1,3-Dipolar Cycloaddition of Ketonitrones to Dialkylcyanamides: A Step toward Sustainable Generation of 2,3-Dihydro-1,2,4-oxadiazoles. ACS Omega, 2017, 2, 1380-1391.	3.5	32

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127	Stepwise Assembly of Unsymmetrical Supramolecular Arrays Containing Porphyrins and Coordination Compounds. Inorganic Chemistry, 2000, 39, 1434-1443.	4.0	31
128	Kinetic and Thermodynamic Aspects of the Regioselective Addition of Bifunctional Hydroxylaminooxime-type HO-Nucleophiles to Pt-Complexed Nitriles. Inorganic Chemistry, 2006, 45, 2296-2306.	4.0	31
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