Evgenii P Talsi

List of Publications by Year
in descending order

91 papers	4,178 citations	94433 37 h-index	118850 62 g-index
93 all docs	93 docs citations	93 times ranked	2416 citing authors

#	Article	IF	Citations
1	Highâ€Spin and Lowâ€Spin State Perferryl Intermediates: Reactivityâ€Selectivity Correlation in Fe(PDP) Catalyzed Oxidation of (+)â€Sclareolide. ChemCatChem, 2022, 14, .	3.7	5
2	Reactivity vs. Selectivity of Biomimetic Catalyst Systems of the Fe(PDP) Family through the Nature and Spin State of the Active Ironâ€Oxygen Species. Chemical Record, 2022, 22, e202100334.	5.8	8
3	Ni(I) Intermediates Formed upon Activation of a Ni(II) Î±-Diimine Ethylene Polymerization Precatalyst with AlR₃ (R = Me, Et, and ^{<i>i</i>}Bu), AlR₂Cl (R = Me, Et), and MMAO: A Comparative Study. Organometallics, 2022, 41, 1015-1024.	2.3	5
4	Non-heme perferryl intermediates: Effect of spin state on the epoxidation enantioselectivity. Molecular Catalysis, 2021, 502, 111403.	2.0	7
5	Nature of Heterobinuclear Ni(I) Complexes Formed upon the Activation of the Î±-Diimine Complex LNiIIBr2 with AlMe3 and MMAO. Organometallics, 2021, 40, 907-914.	2.3	6
6	To Rebound or...Rebound? Evidence for the â€œAlternative Reboundâ€• Mechanism in Câ€“H Oxidations by the Systems Nonheme Mn Complex/H₂O₂/Carboxylic Acid. ACS Catalysis, 2021, 11, 5517-5524.	11.2	29
7	Lowâ€Spin and Highâ€Spin Perferryl Intermediates in Nonâ€Heme Iron Catalyzed Oxidations of Aliphatic Câˆ’H Groups. Chemistry - A European Journal, 2021, 27, 7781-7788.	3.3	8
8	Mn aminopyridine oxidase mimics: Switching between biosynthetic-like and xenobiotic regioselectivity in C H oxidation of (-)-ambroxide. Journal of Catalysis, 2021, 399, 224-229.	6.2	21
9	Palladiumâ€Aminopyridine Catalyzed Câˆ’H Oxygenation: Probing the Nature of Metal Based Oxidant. ChemCatChem, 2021, 13, 5109-5120.	3.7	5
10	Î±-Diimine Ni-Catalyzed Ethylene Polymerizations: On the Role of Nickel(I) Intermediates. Catalysts, 2021, 11, 1386.	3.5	6
11	Aromatic C H oxidation by non-heme iron(V)-oxo intermediates bearing aminopyridine ligands. Molecular Catalysis, 2020, 483, 110708.	2.0	4
12	The nature of nickel species formed upon the activation of Î±-diimine nickel(II) pre-catalyst with alkylaluminum sesquichlorides. Journal of Organometallic Chemistry, 2020, 907, 121063.	1.8	11
13	Highly enantioselective undirected catalytic hydroxylation of benzylic CH2 groups with H2O2. Journal of Catalysis, 2020, 390, 170-177.	6.2	38
14	Activation of an Î±-Diimine Ni(II) Precatalyst with AlMe₃ and AlⁱBu₃: Catalytic and NMR and EPR Spectroscopy Studies. Organometallics, 2020, 39, 3034-3040.	2.3	13
15	Palladium aminopyridine complexes catalyzed selective benzylic Câ€“H oxidations with peracetic acid. Dalton Transactions, 2020, 49, 11150-11156.	3.3	13
16	Methods for selective benzylic Câ€“H oxofunctionalization of organic compounds. Russian Chemical Reviews, 2020, 89, 587-628.	6.5	17
17	Recent progress in catalytic oxygenation of aromatic Câ€“H groups with the environmentally benign oxidants H₂O₂ and O₂. Applied Organometallic Chemistry, 2020, 34, e5900.	3.5	21
18	Highâ€Spin and Lowâ€Spin Perferryl Intermediates in Fe(PDP)â€Catalyzed Epoxidations. ChemCatChem, 2019, 11, 5345-5352.	3.7	21

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19	Non-heme oxoiron(V) intermediates in chemo-, regio- and stereoselective oxidation of organic substrates. Coordination Chemistry Reviews, 2019, 384, 126-139.	18.8	53
20	Ethylene polymerization of nickel catalysts with Î±-diimine ligands: factors controlling the structure of active species and polymer properties. Dalton Transactions, 2019, 48, 7974-7984.	3.3	40
21	Comparisons between homogeneous and immobilized 1-(2,6-dibenzhydryl-4-nitrophenylimino)-2-mesityliminoacenaphthylnickel bromide as a precatalyst in ethylene polymerization. Journal of Catalysis, 2019, 372, 103-108.	6.2	26
22	EPR spectroscopic study of Ni(I) species in the catalyst system for ethylene polymerization based on Î±-diimine Ni(II) complex activated by MMAO. Journal of Organometallic Chemistry, 2019, 880, 267-271.	1.8	21
23	Direct Câ€"H Oxidation of Aromatic Substrates in the Presence of Biomimetic Iron Complexes. Green Chemistry and Sustainable Technology, 2019, , 253-276.	0.7	1
24	Chiral Autoamplification Meets Dynamic Chirality Control to Suggest Nonautocatalytic Chemical Model of Prebiotic Chirality Amplification. Research, 2019, 2019, 4756025.	5.7	7
25	Direct reactivity studies of non-heme iron-oxo intermediates toward alkane oxidation. Catalysis Communications, 2018, 108, 77-81.	3.3	17
26	Autoamplificationâ€Enhanced Oxidative Kinetic Resolution of <i>sec</i>â€Alcohols and Alkyl Mandelates, and its Kinetic Model. ChemCatChem, 2018, 10, 2693-2699.	3.7	11
27	Direct Evaluation of the Reactivity of Nonheme Iron(V)â€"Oxo Intermediates toward Arenes. ACS Catalysis, 2018, 8, 5255-5260.	11.2	38
28	NMR spectroscopic identification of Ni(<scp>ii</scp>) species formed upon activation of (Î±-diimine)NiBr₂ polymerization catalysts with MAO and MMAO. Dalton Transactions, 2018, 47, 4968-4974.	3.3	16
29	Chiral Manganese Aminopyridine Complexes: the Versatile Catalysts of Chemoâ€•and Stereoselective Oxidations with H₂O₂. Chemical Record, 2018, 18, 78-90.	5.8	41
30	Vanadium olefin polymerization catalysts: NMR spectroscopic characterization of V(III) intermediates. Journal of Organometallic Chemistry, 2018, 867, 4-13.	1.8	10
31	Enantioselective Benzylic Hydroxylation of Arylalkanes with H₂O₂ in Fluorinated Alcohols in the Presence of Chiral Mn Aminopyridine Complexes. ChemCatChem, 2018, 10, 5323-5330.	3.7	47
32	On the nature of the active intermediates in iron-catalyzed oxidation of cycloalkanes with hydrogen peroxide and peracids. Molecular Catalysis, 2018, 455, 6-13.	2.0	16
33	Effect of different carboxylic acids on the aromatic hydroxylation with H2O2 in the presence of an iron aminopyridine complex. Journal of Organometallic Chemistry, 2018, 871, 130-134.	1.8	10
34	Highly Efficient Aromatic Câ^'H Oxidation with H₂O₂ in the Presence of Iron Complexes of the PDP Family. ChemCatChem, 2018, 10, 4052-4057.	3.7	24
35	Vanadium(III)â€Catalyzed Polymerization of Î±â€Olefins: Detailed NMR Spectroscopic Characterization of Intermediates Modeling the Active Species of Polymerization. ChemCatChem, 2017, 9, 1253-1260.	3.7	5
36	Asymmetric Autoamplification in the Oxidative Kinetic Resolution of Secondary Benzylic Alcohols Catalyzed by Manganese Complexes. ChemCatChem, 2017, 9, 2599-2607.	3.7	37

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37	Highly Enantioselective Câˆ’H Oxidation of Arylalkanes with H₂O₂ in the Presence of Chiral Mnâ€Aminopyridine Complexes. ChemCatChem, 2017, 9, 4580-4586.	3.7	48
38	Iron-Catalyzed Enantioselective Epoxidations with Various Oxidants: Evidence for Different Active Species and Epoxidation Mechanisms. ACS Catalysis, 2017, 7, 60-69.	11.2	56
39	Direct Selective Oxidative Functionalization of Câ€“H Bonds with H2O2: Mn-Aminopyridine Complexes Challenge the Dominance of Non-Heme Fe Catalysts. Molecules, 2016, 21, 1454.	3.8	35
40	Dramatic Effect of Carboxylic Acid on the Electronic Structure of the Active Species in Fe(PDP)-Catalyzed Asymmetric Epoxidation. ACS Catalysis, 2016, 6, 5399-5404.	11.2	54
41	Titanium Salan/Salalen Complexes: The Twofaced Janus of Asymmetric Oxidation Catalysis. Chemical Record, 2016, 16, 924-939.	5.8	15
42	1H and 2H NMR spectroscopic study of the ion pairs formed upon the activation of vanadium(III) Î±-diimine pre-catalyst with AlMe3/[Ph3C][B(C6F5)4] and MAO. Journal of Molecular Catalysis A, 2016, 423, 333-338.	4.8	5
43	Bioinspired Mn-aminopyridine catalyzed epoxidations of olefins with various oxidants: Enantioselectivity and mechanism. Catalysis Today, 2016, 278, 30-39.	4.4	28
44	Enantioselective Epoxidations of Olefins with Various Oxidants on Bioinspired Mn Complexes: Evidence for Different Mechanisms and Chiral Additive Amplification. ACS Catalysis, 2016, 6, 979-988.	11.2	64
45	NMR and EPR Spectroscopic Identification of Intermediates Formed upon Activation of 8-Mesitylimino-5,6,7-trihydroquinolylnickel Dichloride with AlR₂Cl (R = Me, Et). Organometallics, 2015, 34, 3222-3227.	2.3	27
46	EPR Spectroscopic Detection of the Elusive FeVâ•O Intermediates in Selective Catalytic Oxofunctionalizations of Hydrocarbons Mediated by Biomimetic Ferric Complexes. ACS Catalysis, 2015, 5, 2702-2707.	11.2	90
47	Bioinspired oxidations of aliphatic Câ€“H groups with H2O2 in the presence of manganese complexes. Journal of Organometallic Chemistry, 2015, 793, 102-107.	1.8	32
48	Mechanism of Selective Câ€“H Hydroxylation Mediated by Manganese Aminopyridine Enzyme Models. ACS Catalysis, 2015, 5, 39-44.	11.2	76
49	¹H and ²H NMR Spectroscopic Characterization of Heterobinuclear Ion Pairs Formed upon the Activation of Bis(imino)pyridine Vanadium(III) Precatalysts with AlMe₃/[Ph₃C]⁺[B(C₆F₅)₄]^{âˆ’} and MAO. Organometallics, 2014, 33, 2583-2587.	2.3	14
50	Highly Enantioselective Bioinspired Epoxidation of Electron-Deficient Olefins with H₂O₂ on Aminopyridine Mn Catalysts. ACS Catalysis, 2014, 4, 1599-1606.	11.2	118
51	Active sites and mechanisms of bioinspired oxidation with H2O2, catalyzed by non-heme Fe and related Mn complexes. Coordination Chemistry Reviews, 2014, 276, 73-96.	18.8	206
52	Formation and Evolution of Chainâ€Propagating Species Upon Ethylene Polymerization with Neutral Salicylaldiminato Nickel(II) Catalysts. Chemistry - A European Journal, 2013, 19, 11409-11417.	3.3	14
53	Active Species of Nonheme Iron and Manganese-Catalyzed Oxidations. Topics in Catalysis, 2013, 56, 939-949.	2.8	25
54	Formation of Cationic Intermediates upon the Activation of Bis(imino)pyridine Nickel Catalysts. Organometallics, 2013, 32, 2187-2191.	2.3	23

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55	Formation of Trivalent Zirconocene Complexes from ansa-Zirconocene-Based Olefin-Polymerization Precatalysts: An EPR- and NMR-Spectroscopic Study. Journal of the American Chemical Society, 2013, 135, 10710-10719.	13.7	34
56	EPR detection of Fe(V)=O active species in nonheme iron-catalyzed oxidations. Catalysis Communications, 2012, 29, 105-108.	3.3	37
57	Frontiers of mechanistic studies of coordination polymerization and oligomerization of Î±-olefins. Coordination Chemistry Reviews, 2012, 256, 2994-3007.	18.8	88
58	Asymmetric Epoxidations with H₂O₂ on Fe and Mn Aminopyridine Catalysts: Probing the Nature of Active Species by Combined Electron Paramagnetic Resonance and Enantioselectivity Study. ACS Catalysis, 2012, 2, 1196-1202.	11.2	204
59	Vinyl Polymerization of Norbornene on Nickel Complexes with Bis(imino)pyridine Ligands Containing Electron-Withdrawing Groups. Organometallics, 2012, 31, 1143-1149.	2.3	57
60	Highly Efficient, Regioselective, and Stereospecific Oxidation of Aliphatic Câ€“H Groups with H₂O₂, Catalyzed by Aminopyridine Manganese Complexes. Organic Letters, 2012, 14, 4310-4313.	4.6	123
61	Chemo- and stereoselective CH oxidations and epoxidations/cis-dihydroxylations with H2O2, catalyzed by non-heme iron and manganese complexes. Coordination Chemistry Reviews, 2012, 256, 1418-1434.	18.8	348
62	The Origin of Living Polymerization with an <i>o</i>â€Fluorinated Catalyst: NMR Spectroscopic Characterization of Chainâ€Carrying Species. Chemistry - A European Journal, 2012, 18, 848-856.	3.3	39
63	EPR,1H and2H NMR, and Reactivity Studies of the Ironâ€“Oxygen Intermediates in Bioinspired Catalyst Systems. Inorganic Chemistry, 2011, 50, 5526-5538.	4.0	96
64	Nonâ€Heme Manganese Complexes Catalyzed Asymmetric Epoxidation of Olefins by Peracetic Acid and Hydrogen Peroxide. Advanced Synthesis and Catalysis, 2011, 353, 885-889.	4.3	96
65	Nonheme Manganese-Catalyzed Asymmetric Oxidation. A Lewis Acid Activation versus Oxygen Rebound Mechanism: Evidence for the â€œThird Oxidantâ€. Inorganic Chemistry, 2010, 49, 8620-8628.	4.0	68
66	An EPR Study of the V(IV) Species Formed Upon Activation of a Vanadyl Phenoxyimine Polymerization Catalyst with AlR₃ and AlR₂Cl (Râ€‰=â€‰Me, Et). Macromolecular Chemistry and Physics, 2009, 210, 542-548.	2.2	28
67	An EPR study of the vanadium species formed upon interaction of vanadyl N and C-capped tris(phenolate) complexes with AlEt3 and AlEt2Cl. Journal of Molecular Catalysis A, 2009, 303, 23-29.	4.8	36
68	Investigating the Nature of the Active Species in Bis(imino)pyridine Cobalt Ethylene Polymerization Catalysts. Organometallics, 2009, 28, 6003-6013.	2.3	38
69	EPR Monitoring of Vanadium(IV) Species Formed upon Activation of Vanadium(V) Polyphenolate Precatalysts with AlR₂Cl and AlR₂Cl/Ethyltrichloroacetate (R = Me, Et). Organometallics, 2009, 28, 6714-6720.	2.3	43
70	EPR Spectroscopic Trapping of the Active Species of Nonheme Iron-Catalyzed Oxidation. Journal of the American Chemical Society, 2009, 131, 10798-10799.	13.7	137
71	Formation and Nature of the Active Sites in Bis(imino)pyridine Iron-Based Polymerization Catalysts. Organometallics, 2009, 28, 3225-3232.	2.3	85
72	Formation and Structures of Hafnocene Complexes in MAO- and AlBuⁱ₃/CPh₃[B(C₆F₅)₄]-Activated Systems. Organometallics, 2008, 27, 6333-6342.	2.3	68

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73	1H and 13C NMR Studies of Cationic Intermediates Formed upon Activation of â€œOscillatingâ€•Catalyst (2-PhInd)2ZrCl2 with MAO, MMAO, and AlMe3/[CPh3]+[B(C6F5)4]-. Organometallics, 2007, 26, 1536-1540.	2.3	16
74	Activation of Bis(pyrrolylaldiminato) and (Salicylaldiminato)(pyrrolylaldiminato) Titanium Polymerization Catalysts with Methylalumoxane. Organometallics, 2007, 26, 288-293.	2.3	27
75	Activation of Bis(phenoxyimino)zirconium Polymerization Catalysts with Methylaluminoxane and AlMe₃/[CPh₃]⁺[B(C₆F₅)₄]⁻. Organometallics, 2007, 26, 4810-4815.	2.3	21
76	Ironâ€Catalyzed Oxidation of Thioethers by Iodosylarenes: Stereoselectivity and Reaction Mechanism. Chemistry - A European Journal, 2007, 13, 8045-8050.	3.3	74
77	The Active Intermediates of Non-Heme-Iron-Based Systems for Catalytic Alkene Epoxidation with H2O2/CH3COOH. European Journal of Inorganic Chemistry, 2007, 2007, 852-857.	2.0	37
78	EPR Identification of Zr(III) Complexes Formed upon Interaction of (2-PhInd)2ZrCl2 andrac-Me2Si(1-Ind)2ZrCl2 with MAO and MMAO. Macromolecular Chemistry and Physics, 2007, 208, 1168-1175.	2.2	13
79	X-ray crystal structure of [BPMEN(Cl)FeIIIOFeIII(Cl)BPMEN](ClO4)2 [BPMEN = N,Nâ€™-dimethyl-N,Nâ€™-bis(2-pyridylmethyl)ethane-1,2-diamine] and the assignment of its 1H NMR peaks in CD3CN. Mendeleev Communications, 2007, 17, 291-293.	1.6	4
80	Activation ofrac-Me2Si(ind)2ZrCl2 by Methylalumoxane Modified by Aluminum Alkyls: An EPR Spin-Probe,1H NMR, and Polymerization Study. Macromolecular Chemistry and Physics, 2006, 207, 327-335.	2.2	44
81	Active Intermediates in Ethylene Polymerization over Titanium Bis(phenoxyimine) Catalysts. Organometallics, 2005, 24, 5660-5664.	2.3	66
82	ansa-Titanocene Catalysts for Î±-Olefin Polymerization. Syntheses, Structures, and Reactions with Methylaluminoxane and Boron-Based Activators. Organometallics, 2005, 24, 894-904.	2.3	66
83	Evidence for the Formation of an Iodosylbenzene(salen)iron Active Intermediate in a (Salen)iron(III)-Catalyzed Asymmetric Sulfide Oxidation. Angewandte Chemie - International Edition, 2004, 43, 5228-5230.	13.8	128
84	1H and 13C NMR Spectroscopic Study of Titanium(IV) Species Formed by Activation of Cp2TiCl2 and [(Me4C5)SiMe2NtBu]TiCl2 with Methylaluminoxane (MAO). Organometallics, 2004, 23, 149-152.	2.3	65
85	13C-NMR study of Ti(IV) species formed by Cp*TiMe3 and Cp*TiCl3 activation with methylaluminoxane (MAO). Journal of Organometallic Chemistry, 2003, 683, 23-28.	1.8	38
86	1H-, 13C-NMR and ethylene polymerization studies of zirconocene/MAO catalysts: effect of the ligand structure on the formation of active intermediates and polymerization kinetics. Journal of Organometallic Chemistry, 2003, 683, 92-102.	1.8	49
87	Stability of low-spin ferric hydroperoxo and alkylperoxo complexes with tris(2-pyridylmethyl)amine. Mendeleev Communications, 2003, 13, 175-177.	1.6	15
88	Mechanism of dimethylzirconocene activation with methylaluminoxane: NMR monitoring of intermediates at high Al/Zr ratios. Macromolecular Chemistry and Physics, 2000, 201, 558-567.	2.2	146
89	1H NMR and EPR spectroscopic monitoring of the reactive intermediates of (Salen)MnIII catalyzed olefin epoxidation. Journal of Molecular Catalysis A, 2000, 158, 19-35.	4.8	66
90	Multinuclear NMR investigation of methylaluminoxane. Macromolecular Chemistry and Physics, 1997, 198, 3845-3854.	2.2	80

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91	Formation of low-spin peroxoiron(III) complexes in Gif-type catalytic systems. Mendeleev Communications, 1996, 6, 33-34.	1.6	9