

# Kirill Kholin

## List of Publications by Year in descending order

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71  
papers

1,046  
citations

430442

18  
h-index

525886

27  
g-index

73  
all docs

73  
docs citations

73  
times ranked

1149  
citing authors

#	ARTICLE	IF	CITATIONS
1	Redox Trends in Terpyridine Nickel Complexes. <i>Inorganic Chemistry</i> , 2011, 50, 8630-8635.	1.9	69
2	Accessing perfluoroalkyl nickel( $\text{Ni}^{\text{II}}$ ), ( $\text{Ni}^{\text{III}}$ ), and ( $\text{Ni}^{\text{IV}}$ ) complexes bearing a readily attached $[\text{C}_4\text{F}_8]$ ligand. <i>Dalton Transactions</i> , 2015, 44, 19443-19446.	1.6	46
3	Complexation of pectin with macro- and microelements. Antianemic activity of Na, Fe and Na, Ca, Fe complexes. <i>Carbohydrate Polymers</i> , 2015, 134, 524-533.	5.1	46
4	Novel approach to metal-induced oxidative phosphorylation of aromatic compounds. <i>Catalysis Today</i> , 2017, 279, 133-141.	2.2	39
5	External oxidant-free cross-coupling: electrochemically induced aromatic $\text{C-H}$ phosphonation of azoles with dialkyl- $\text{H}$ -phosphonates under silver catalysis. <i>Dalton Transactions</i> , 2018, 47, 190-196.	1.6	38
6	Redox trends in cyclometalated palladium( $\text{Pd}^{\text{II}}$ ) complexes. <i>Dalton Transactions</i> , 2017, 46, 165-177.	1.6	34
7	Cellular imaging by green luminescence of Tb(III)-doped aminomodified silica nanoparticles. <i>Materials Science and Engineering C</i> , 2017, 76, 551-558.	3.8	32
8	Iron-catalyzed electrochemical $\text{C-H}$ perfluoroalkylation of arenes. <i>Dalton Transactions</i> , 2015, 44, 19674-19681.	1.6	31
9	Interfacial uploading of luminescent hexamolybdenum cluster units onto amino-decorated silica nanoparticles as new design of nanomaterial for cellular imaging and photodynamic therapy. <i>Journal of Colloid and Interface Science</i> , 2019, 538, 387-396.	5.0	31
10	One-stage synthesis of $\text{FcP}(\text{O})(\text{OC}_2\text{H}_5)_2$ from ferrocene and $\text{H}_2\text{P}(\text{O})\text{OH}$ . <i>RSC Advances</i> , 2016, 6, 42701-42707.	1.7	30
11	A $\text{Ni}^{\text{III}}$ complex stabilized by silica nanoparticles as an efficient nanoheterogeneous catalyst for oxidative $\text{C-H}$ fluoroalkylation. <i>Dalton Transactions</i> , 2016, 45, 11976-11982.	1.6	27
12	Electrooxidative CH/PH functionalization as a novel way to synthesize benzo[ <i>b</i> ]phosphole oxides mediated by catalytic amounts of silver acetate. <i>New Journal of Chemistry</i> , 2018, 42, 930-935.	1.4	27
13	Silica-supported silver nanoparticles as an efficient catalyst for aromatic $\text{C-H}$ alkylation and fluoroalkylation. <i>Dalton Transactions</i> , 2018, 47, 9608-9616.	1.6	27
14	Tuning the non-covalent confinement of Gd(III) complexes in silica nanoparticles for high T1-weighted MR imaging capability. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 149, 243-249.	2.5	26
15	Dual Visible and Near-Infrared Luminescent Silica Nanoparticles. <i>Synthesis and Aggregation Stability. Journal of Physical Chemistry C</i> , 2010, 114, 6350-6355.	1.5	23
16	One-pot embedding of iron oxides and Gd(III) complexes into silica nanoparticles—Morphology and aggregation effects on MRI dual contrasting ability. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018, 559, 60-67.	2.3	22
17	Mechanistic study of the $[(\text{dpp-bian})\text{Re}(\text{CO})_3\text{Br}]$ electrochemical reduction using in situ EPR spectroscopy and computational chemistry. <i>Electrochimica Acta</i> , 2018, 270, 526-534.	2.6	21
18	Electrochemistry of nitronyl and imino nitroxides. <i>Russian Journal of Physical Chemistry A</i> , 2009, 83, 1976-1980.	0.1	20

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19	Cobalt-Catalyzed Green Cross-Dehydrogenative C(sp <sup>2</sup> )-H/P-H Coupling Reactions. <i>Topics in Catalysis</i> , 2018, 61, 1949-1956.	1.3	18
20	Spin-adduct of the P <sub>4</sub> $\dot{\text{A}}$ radical anion during the electrochemical reduction of white phosphorus. <i>Russian Chemical Bulletin</i> , 2010, 59, 466-468.	0.4	17
21	Novel water soluble cationic Au(I) complexes with cyclic PNNP ligand as building blocks for heterometallic supramolecular assemblies with anionic hexarhenium cluster units. <i>Journal of Luminescence</i> , 2018, 196, 485-491.	1.5	16
22	Electrochemistry of the sterically hindered imidazolidine zwitterion and its paramagnetic derivative. <i>Journal of Electroanalytical Chemistry</i> , 2008, 624, 69-72.	1.9	15
23	Oxygen reduction reaction catalyzed by nickel complexes based on thiophosphorylated calix[4]resorcinols and immobilized in the membrane electrode assembly of fuel cells. <i>Dalton Transactions</i> , 2016, 45, 16157-16161.	1.6	15
24	Synthesis, Properties, and Antimicrobial Activity of Pectin Complexes with Cobalt and Nickel. <i>Chemistry of Natural Compounds</i> , 2016, 52, 26-31.	0.2	15
25	Structure optimization for enhanced luminescent and paramagnetic properties of hydrophilic nanomaterial based on heterometallic Gd-Re complexes. <i>Materials and Design</i> , 2018, 146, 49-56.	3.3	15
26	A nickel-based pectin coordination polymer as an oxygen reduction reaction catalyst for proton-exchange membrane fuel cells. <i>Inorganic Chemistry Frontiers</i> , 2018, 5, 780-784.	3.0	15
27	Organometallic Polymer Electrolyte Membrane Fuel Cell Bis(Ligand Nickel(II) Complex of 1,5-Diisopropyl-3,7-Dipyridine-1,5,3,7-Diazadiphosphacyclooctane Catalyst. <i>Energy Technology</i> , 2018, 6, 1088-1095.	6.5	15
28	Copper or Silver-Mediated Oxidative C(sp <sup>2</sup> )-H/N-H Cross-Coupling of Phthalimide and Heterocyclic Arenes: Access to N-Arylphthalimides. <i>Organometallics</i> , 2019, 38, 3617-3628.	1.1	15
29	Cyclometalated Nickel Complexes as Key Intermediates in C(sp <sup>2</sup> )-H Bond Functionalization: Synthesis, Catalysis, Electrochemical Properties, and DFT Calculations. <i>Organometallics</i> , 2019, 38, 1254-1263.	1.1	15
30	Cyclic voltammetry of nitronyl- and iminonitroxyls detected by electron spin resonance. <i>Russian Journal of Physical Chemistry A</i> , 2009, 83, 2163-2169.	0.1	14
31	Synthesis, structure, and magnetic properties of 2,2 $\epsilon^2$ -(buta-1,3-diyne-1,4-diyl)bis(4,4,5,5-tetramethyl-4,5-dihydro-1H-imidazole 3-oxide 1-oxyl). <i>Polyhedron</i> , 2011, 30, 3232-3237.	1.0	13
32	Fluorescent magnetic nanoparticles for modulating the level of intracellular Ca <sup>2+</sup> in motoneurons. <i>Nanoscale</i> , 2019, 11, 16103-16113.	2.8	13
33	Silica Nanospheres Coated by Ultrasmall Ag <sub>0</sub> Nanoparticles for Oxidative Catalytic Application. <i>Colloids and Interface Science Communications</i> , 2017, 21, 1-5.	2.0	12
34	ROS-generation and cellular uptake behavior of amino-silica nanoparticles arisen from their uploading by both iron-oxides and hexamolybdenum clusters. <i>Materials Science and Engineering C</i> , 2020, 117, 111305.	3.8	12
35	Silica nanoparticles with dual visible-NIR luminescence affected by silica confinement of Tb(III) and Yb(III) complexes for cellular imaging application. <i>Journal of Materials Science</i> , 2019, 54, 9140-9154.	1.7	11
36	Synthesis, structure, and electrochemical properties of 4,5-diaryl-1,2,3-triphosphaferrocenes and the first example of multi(phosphaferrocene). <i>Dalton Transactions</i> , 2020, 49, 17252-17262.	1.6	11

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37	Highly active Pd–Ni nanocatalysts supported on multicharged polymer matrix. <i>Catalysis Science and Technology</i> , 2017, 7, 5914-5919.	2.1	10
38	Selective C(sp <sup>2</sup> )–H Amination Catalyzed by High-Valent Cobalt(III)/(IV)–bpy Complex Immobilized on Silica Nanoparticles. <i>ChemCatChem</i> , 2019, 11, 5615-5624.	1.8	10
39	Cyclic voltammetry of tris(2,2′-bipyridine)zinc(II) diperchlorate detected by electron spin resonance. <i>Russian Chemical Bulletin</i> , 2013, 62, 1327-1331.	0.4	9
40	Spectroelectrochemistry: ESR of Paramagnetic Intermediates in the Electron Transfer Series [Cr(bpy) <sub>3</sub> ] <sup>n</sup> (n=3+, 2+, 1+, 0, 1-). <i>Electrochimica Acta</i> , 2015, 182, 212-216.	2.6	9
41	Palladium Nanoparticles–Polypyrrole Composite as Effective Catalyst for Fluoroalkylation of Alkenes. <i>Catalysis Letters</i> , 2018, 148, 3119-3125.	1.4	9
42	Synthesis of Au(I) complex-based aqueous colloids for sensing of biothiols. <i>Inorganica Chimica Acta</i> , 2019, 485, 26-32.	1.2	9
43	Synthetic Tuning of Coll-Doped Silica Nanoarchitecture Towards Electrochemical Sensing Ability. <i>Nanomaterials</i> , 2020, 10, 1338.	1.9	9
44	Surface modification of silica nanoparticles by hexarhenium anionic cluster complexes for pH-sensing and staining of cell nuclei. <i>Journal of Colloid and Interface Science</i> , 2021, 594, 759-769.	5.0	9
45	Silica-Supported Assemblage of Cu <sup>II</sup> Ions with Carbon Dots for Self-Boosting and Glutathione-Induced ROS Generation. <i>Coatings</i> , 2022, 12, 97.	1.2	9
46	Electrooxidative phosphorylation of coumarins by bimetallic catalytic systems Ni(II)/Mn(II) or Co(II)/Mn(II). <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2016, 191, 1660-1661.	0.8	7
47	Silica nanoparticles with Tb(III)-centered luminescence decorated by Ag <sub>2</sub> O as efficient cellular contrast agent with anticancer effect. <i>Journal of Inorganic Biochemistry</i> , 2018, 182, 170-176.	1.5	7
48	Silica-coated iron-oxide nanoparticles doped with Gd(III) complexes as potential double contrast agents for magnetic resonance imaging at different field strengths. <i>Journal of Chemical Sciences</i> , 2018, 130, 1.	0.7	7
49	A Nickel-Based Pectin Metal–Organic Framework as a Hydrogen Oxidation Reaction Catalyst for Proton-Exchange Membrane Fuel Cells. <i>ChemistrySelect</i> , 2019, 4, 4731-4734.	0.7	7
50	Synthesis, properties, and antianemic activity of new metal complexes of sodium pectinate with iron and calcium. <i>Russian Chemical Bulletin</i> , 2019, 68, 48-54.	0.4	7
51	Polymer and supramolecular nanocontainers based on carboxylate derivatives of resorcinarenes for binding of substrates and design of composites for catalysis. <i>Russian Chemical Bulletin</i> , 2020, 69, 351-359.	0.4	7
52	Tailoring of silica nanoarchitecture to optimize Cu(2–x)S based image-guided chemodynamic therapy agent. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 626, 126996.	2.3	7
53	Anticancer potential of hexamolybdenum clusters [Mo <sub>6</sub> I <sub>8</sub> ](L) <sub>6</sub> ] <sup>2+</sup> (L = CF <sub>3</sub> COO <sup>-</sup> and C <sub>6</sub> F <sub>5</sub> COO <sup>-</sup> ) incorporated into different nanoparticulate forms. <i>Journal of Molecular Liquids</i> , 2021, 343, 117601.	2.3	7
54	Selective fluorination of pyridine and its derivatives in the presence of high-oxidation-state transition metals. <i>Russian Chemical Bulletin</i> , 2016, 65, 1798-1804.	0.4	6

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55	Structure impact on photodynamic therapy and cellular contrasting functions of colloids constructed from dimeric Au(I) complex and hexamolybdenum clusters. <i>Materials Science and Engineering C</i> , 2021, 128, 112355.	3.8	6
56	Pd II (Pâ€P) Derivatives of oâ€Quinone Annulated with Dithiete Cycle: Electrochemical Properties and Coordination Regioisomerism. <i>European Journal of Inorganic Chemistry</i> , 2020, 2020, 4350-4357.	1.0	6
57	â€Proton spongeâ€effect and apoptotic cell death mechanism of Ag -Re6 nanocrystallites derived from the assembly of [Re6S8(OH)6â€(H2O) ]4 with Ag+ ions. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 648, 129312.	2.3	6
58	Nano-architecture of silica nanoparticles as a tool to tune both electrochemical and catalytic behavior of Ni@SiO2. <i>RSC Advances</i> , 2019, 9, 22627-22635.	1.7	5
59	[Re<sub>6</sub>Q<sub>8</sub>](SO<sub>3</sub>)<sub>6</sub>] <sup>10â€</sup> (Q = S or Se): Facile Synthesis and Properties of the Most Highly Charged Octahedral Cluster Complexes and High Magnetic Relaxivity of Their Colloids with Gd<sup>3+</sup> Ions. <i>Inorganic Chemistry</i> , 2019, 58, 15889-15897.	1.9	5
60	Photocatalytic properties of hybrid materials based on a multicharged polymer matrix with encored TiO<sub>2</sub> and noble metal (Pt, Pd or Au) nanoparticles. <i>New Journal of Chemistry</i> , 2020, 44, 7169-7174.	1.4	5
61	Isolation and Structural And Chemical Analysis of Pectinic Polysaccharides from <i>Amaranthus cruentus</i> . <i>Chemistry of Natural Compounds</i> , 2014, 50, 54-59.	0.2	4
62	New metal complexes of citrus pectin with magnesium ions: synthesis, properties, and immunomodulatory activity. <i>Russian Chemical Bulletin</i> , 2021, 70, 433-443.	0.4	4
63	T2- and T1 relaxivities and magnetic hyperthermia of iron-oxide nanoparticles combined with paramagnetic Gd complexes. <i>Journal of Chemical Sciences</i> , 2021, 133, 1.	0.7	4
64	Water dispersible supramolecular assemblies built from luminescent hexarhenium clusters and silver(I) complex with pyridine-2-ylphospholane for sensorics. <i>Journal of Molecular Liquids</i> , 2020, 305, 112853.	2.3	3
65	Enhancement of pectin extraction from Daikon in a rotary pulse apparatus. <i>Doklady Chemistry</i> , 2011, 441, 343-346.	0.2	2
66	Data of characterization of sodium pectate complexes with iron and manganese. <i>Data in Brief</i> , 2021, 39, 107594.	0.5	2
67	Synthesis, Physicochemical Properties and Antiâ€Fatigue Effect of Magnesium, Zinc and Chromium Polygalacturonate Based Composition. <i>ChemistrySelect</i> , 2019, 4, 4331-4338.	0.7	1
68	A Water-Soluble Sodium Pectate Complex with Copper as an Electrochemical Catalyst for Carbon Dioxide Reduction. <i>Molecules</i> , 2021, 26, 5524.	1.7	1
69	Synthesis and photophysical properties of silica nanoparticles based on europium(iii) complexes. <i>Russian Chemical Bulletin</i> , 2011, 60, 2222-2226.	0.4	0
70	EPR-spectroelectrochemistry of nickelâ€organic complexesâ€small molecules activators. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2016, 191, 1613-1614.	0.8	0
71	Catalytic properties of nanostructured nickel-containing pectin biopolymers on a glassy carbon surface. <i>Journal of Physics: Conference Series</i> , 2020, 1695, 012050.	0.3	0