

Ekaterina Tkatchouk

List of Publications by Year in descending order

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34
papers

4,256
citations

218662

26
h-index

377849

34
g-index

39
all docs

39
docs citations

39
times ranked

4265
citing authors

#	ARTICLE	IF	CITATIONS
1	Environmental stress cracking performance of polyether and PDMS-based polyurethanes in an <i>in vitro</i> oxidation model. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2017, 105, 1544-1558.	3.4	13
2	The biostability of cardiac lead insulation materials as assessed from long-term human implants. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2016, 104, 411-421.	3.4	26
3	Comparison of clinical explants and accelerated hydrolytic aging to improve biostability assessment of silicone-based polyurethanes. <i>Journal of Biomedical Materials Research - Part A</i> , 2016, 104, 1805-1816.	4.0	21
4	A Radically Configurable Six-State Compound. <i>Science</i> , 2013, 339, 429-433.	12.6	158
5	An Unusual Hydrogen Migration/ $C\dot{H}$ Activation Reaction with Group 3 Metals. <i>Journal of the American Chemical Society</i> , 2011, 133, 4680-4683.	13.7	27
6	Two Metals Are Better Than One in the Gold Catalyzed Oxidative Heteroarylation of Alkenes. <i>Journal of the American Chemical Society</i> , 2011, 133, 14293-14300.	13.7	208
7	Phosphoramidite Gold(I)-Catalyzed Diastereo- and Enantioselective Synthesis of 3,4-Substituted Pyrrolidines. <i>Journal of the American Chemical Society</i> , 2011, 133, 5500-5507.	13.7	210
8	Mechanically Stabilized Tetrathiafulvalene Radical Dimers. <i>Journal of the American Chemical Society</i> , 2011, 133, 4538-4547.	13.7	114
9	Donor-Acceptor Oligorotaxanes Made to Order. <i>Chemistry - A European Journal</i> , 2011, 17, 2107-2119.	3.3	53
10	Mechanism of $C\dot{F}$ Reductive Elimination from Palladium(IV) Fluorides. <i>Journal of the American Chemical Society</i> , 2010, 132, 3793-3807.	13.7	273
11	Gold-Catalyzed Intramolecular Aminoarylation of Alkenes: $C\dot{C}$ Bond Formation through Bimolecular Reductive Elimination. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 5519-5522.	13.8	264
12	Radically enhanced molecular recognition. <i>Nature Chemistry</i> , 2010, 2, 42-49.	13.6	280
13	Highly stable tetrathiafulvalene radical dimers in [3]catenanes. <i>Nature Chemistry</i> , 2010, 2, 870-879.	13.6	171
14	Isolation by crystallization of translational isomers of a bistable donor-acceptor [2]catenane. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 13991-13996.	7.1	39
15	Dearomatization Reactions of N-Heterocycles Mediated by Group 3 Complexes. <i>Journal of the American Chemical Society</i> , 2010, 132, 342-355.	13.7	61
16	Bimetallic Reductive Elimination from Dinuclear Pd(III) Complexes. <i>Journal of the American Chemical Society</i> , 2010, 132, 14092-14103.	13.7	237
17	Mechanistic Study of Gold(I)-Catalyzed Intermolecular Hydroamination of Allenes. <i>Journal of the American Chemical Society</i> , 2010, 132, 13064-13071.	13.7	168
18	Mechanically bonded macromolecules. <i>Chemical Society Reviews</i> , 2010, 39, 17-29.	38.1	428

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19	Alkylgold complexes by the intramolecular aminoauration of unactivated alkenes. <i>Chemical Science</i> , 2010, 1, 226.	7.4	174
20	A Molecular-Rotor Device for Nonvolatile High-Density Memory Applications. <i>IEEE Electron Device Letters</i> , 2010, 31, 1047-1049.	3.9	10
21	A bonding model for gold(I) carbene complexes. <i>Nature Chemistry</i> , 2009, 1, 482-486.	13.6	451
22	On the Impact of Steric and Electronic Properties of Ligands on Gold(I)-Catalyzed Cycloaddition Reactions. <i>Organic Letters</i> , 2009, 11, 4798-4801.	4.6	153
23	Conformational Analysis of Olefin π -Carbene Ruthenium Metathesis Catalysts. <i>Organometallics</i> , 2009, 28, 2643-2645.	2.3	76
24	Conformations of N-Heterocyclic Carbene Ligands in Ruthenium Complexes Relevant to Olefin Metathesis. <i>Journal of the American Chemical Society</i> , 2009, 131, 1931-1938.	13.7	106
25	Reactions of Group III Biheterocyclic Complexes. <i>Journal of the American Chemical Society</i> , 2009, 131, 10269-10278.	13.7	54
26	Rigidity π -Stability Relationship in Interlocked Model Complexes Containing Phenylene-Ethynylene-Based Disubstituted Naphthalene and Benzene. <i>Crystal Growth and Design</i> , 2009, 9, 2300-2309.	3.0	6
27	Room temperature negative differential resistance of a monolayer molecular rotor device. <i>Applied Physics Letters</i> , 2009, 95, 093503.	3.3	5
28	A Push-Button Molecular Switch. <i>Journal of the American Chemical Society</i> , 2009, 131, 11571-11580.	13.7	111
29	A nano-scale molecular rotor device for high density memory application. , 2009, , .		0
30	Relevance of cis- and trans-dichloride Ru intermediates in Grubbs-II olefin metathesis catalysis (H2IMesCl2Ru π CHR). <i>Chemical Communications</i> , 2008, , 6194.	4.1	116
31	Experimentally-Based Recommendations of Density Functionals for Predicting Properties in Mechanically Interlocked Molecules. <i>Journal of the American Chemical Society</i> , 2008, 130, 14928-14929.	13.7	56
32	Oxygenation of sulfides by bis(π -oxo)dicopper(III) complexes. A theoretical study. <i>Computational and Theoretical Chemistry</i> , 2005, 729, 147-154.	1.5	2
33	Role of (π -Oxo)dicopper(III) Complexes in Oxidative Polymerization of Phenol. A DFT Study. <i>Macromolecules</i> , 2003, 36, 5607-5612.	4.8	13
34	The Glaser reaction mechanism. A DFT study. <i>Tetrahedron</i> , 2002, 58, 6741-6747.	1.9	89