

Arkadi Vigalok

List of Publications by Year in descending order

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papers

1,599
citations

304602

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docs citations

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times ranked

1490
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis and Bond Activation Chemistry of Palladium(II) Pincer Complexes with a Weakly Coordinating Side Arm. <i>Organometallics</i> , 2022, 41, 634-641.	1.1	2
2	Selective Stepwise Arylation of Unprotected Peptides by Pt ^{IV} Complexes. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	3
3	Selective detection of chemical warfare agents VX and Sarin by the short wavelength inner filter technique (SWIFT). <i>Chemical Communications</i> , 2020, 56, 15040-15043.	2.2	7
4	Aryl C(sp ²)–X Coupling (X = C, N, O, Cl) and Facile Control of N-Mono- and N,N-Diarylation of Primary Alkylamines at a Pt(IV) Center. <i>Journal of the American Chemical Society</i> , 2020, 142, 20725-20734.	6.6	6
5	Fluorophore-Appendant 5,5'-Bicalixarene Scaffolds for Host-Guest Sensing of Nitric Oxide. <i>Organic Letters</i> , 2020, 22, 9706-9711.	2.4	4
6	The Coordination Behavior of Oxygen-Depleted Calixarenes towards d ¹⁰ Noble Metal Ions. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2020, 646, 904-908.	0.6	5
7	Short Wavelength Inner Filter Technique (SWIFT) in Designing Reactive Fluorescent Molecular Probes. <i>Journal of the American Chemical Society</i> , 2019, 141, 12224-12228.	6.6	23
8	Oxygen-Depleted Calixarenes as Ligands for Molecular Models of Galactose Oxidase. <i>Chemistry - A European Journal</i> , 2019, 25, 13285-13289.	1.7	6
9	Fluorescent Calixarene Scaffolds for NO Detection in Protic Media. <i>Angewandte Chemie</i> , 2019, 131, 2800-2804.	1.6	5
10	Catalytic application of zinc complex of oxygen depleted 1,3-bis(pyrazole)-p-tert-butylcalix[4]arene. <i>Tetrahedron Letters</i> , 2019, 60, 796-799.	0.7	6
11	Fluorescent Calixarene Scaffolds for NO Detection in Protic Media. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 2774-2778.	7.2	23
12	Concentrated Aqueous Sodium Tosylate as Green Medium for Alkene Oxidation and Nucleophilic Substitution Reactions. <i>Journal of Organic Chemistry</i> , 2017, 82, 11609-11612.	1.7	12
13	Synthesis and C70 complexation studies of a fluorescent 5,5'-bi-p-tert-butylcalix[4]arene scaffold. <i>Supramolecular Chemistry</i> , 2016, 28, 526-535.	1.5	5
14	Selective Aryl-Fluoride Reductive Elimination from a Platinum(IV) Complex. <i>Angewandte Chemie</i> , 2015, 127, 12624-12628.	1.6	8
15	Aryl-F Bond Cleavage vs. C-E Reductive Elimination: Competitive Pathways of Metal-Ligand-Cooperation-Based E-H Bond Activation (E = N, S). <i>European Journal of Inorganic Chemistry</i> , 2015, 2015, 4761-4768.	1.0	3
16	Selective Aryl-Fluoride Reductive Elimination from a Platinum(IV) Complex. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 12447-12451.	7.2	28
17	Electrophilic Halogenation-Reductive Elimination Chemistry of Organopalladium and -Platinum Complexes. <i>Accounts of Chemical Research</i> , 2015, 48, 238-247.	7.6	64
18	Straightforward synthesis and catalytic applications of rigid N,O-type calixarene ligands. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 11189-11193.	1.5	14

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19	Iron chemistry of an asymmetrically substituted, triazole-functionalised calixarene ligand. <i>Supramolecular Chemistry</i> , 2014, 26, 530-537.	1.5	0
20	Room Temperature Rapid Functionalization of E-H Bonds (E = O, N, S) via the Metal-Ligand Cooperation Mechanism. <i>Inorganic Chemistry</i> , 2014, 53, 12-14.	1.9	17
21	Organic Synthesis on Water vs on Liquids: A Comparative Analysis. <i>Organic Letters</i> , 2014, 16, 1964-1967.	2.4	32
22	Unprecedented 1,3-migration of the aryl ligand in metallacyclic aryl- π -naphthyl Pt(IV) difluorides to produce π^2 -arylnaphthyl Pt(II) complexes. <i>Chemical Communications</i> , 2013, 49, 3446.	2.2	20
23	Evidence for Metal-Ligand Cooperation in a Pd-PNF Pincer-Catalyzed Cross-Coupling. <i>Journal of the American Chemical Society</i> , 2013, 135, 967-970.	6.6	42
24	Organopalladium Complexes of Oxacalixarenes: Selecting the Lid for the Three-Dimensional Scaffold. <i>Inorganic Chemistry</i> , 2013, 52, 6779-6781.	1.9	10
25	Asymmetric Transfer Hydrogenation of Ketones Catalyzed by Rhodium Block Copolymer Complexes in Aqueous Micelles. <i>Synlett</i> , 2012, 23, 2619-2622.	1.0	5
26	Tubular Conjugated Polymer for Chemosensory Applications. <i>Journal of the American Chemical Society</i> , 2012, 134, 7290-7292.	6.6	33
27	Salt-Controlled Selectivity in on Water and in Water-Passerini-Type Multicomponent Reactions. <i>Advanced Synthesis and Catalysis</i> , 2012, 354, 2407-2411.	2.1	23
28	Palladium-Assisted Room-Temperature Nucleophilic Substitution of an Unactivated Aryl Fluoride. <i>Organometallics</i> , 2012, 31, 1275-1277.	1.1	10
29	Electrophilic Fluorination of Group 10 Organometallic Complexes: Chemistry beyond Oxidative Addition. <i>Organometallics</i> , 2011, 30, 4802-4810.	1.1	45
30	Synthesis and reactivity of unsymmetrical difluoro Pt(IV) complexes. <i>Journal of Fluorine Chemistry</i> , 2010, 131, 1100-1102.	0.9	9
31	Late Transition Metal-Mediated Formation of Carbon-Halogen Bonds. <i>Topics in Organometallic Chemistry</i> , 2010, , 19-38.	0.7	32
32	Reagent-Dependent Formation of C-C and C-F Bonds in Pt Complexes: An Unexpected Twist in the Electrophilic Fluorination Chemistry. <i>Journal of the American Chemical Society</i> , 2010, 132, 10626-10627.	6.6	64
33	Straightforward radical organic chemistry in neat conditions and on water. <i>Green Chemistry</i> , 2010, 12, 582.	4.6	42
34	Aryl-bromide reductive elimination from an isolated Pt(IV) complex. <i>Chemical Communications</i> , 2010, 46, 3324.	2.2	33
35	Amphiphilic Block Polypeptide-Type Ligands for Micellar Catalysis in Water. <i>Advanced Synthesis and Catalysis</i> , 2009, 351, 1499-1504.	2.1	10
36	Stepwise Boron-to-Zinc C ₆ F ₅ Group Transfer in a Zn-Calixarene System. <i>Organometallics</i> , 2009, 28, 929-932.	1.1	12

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37	Entry to new N,O-ligands from oxygen-depleted calixarenes. <i>Chemical Communications</i> , 2009, , 2041.	2.2	17
38	Metal-Mediated Formation of Carbon-Halogen Bonds. <i>Chemistry - A European Journal</i> , 2008, 14, 5102-5108.	1.7	87
39	Highly Efficient Organic Reactions in Water, in Water, and Both. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 2849-2852.	7.2	177
40	Xenon Difluoride Induced Aryl Iodide Reductive Elimination: a Simple Access to Difluoropalladium(II) Complexes. <i>Inorganic Chemistry</i> , 2008, 47, 5-7.	1.9	95
41	Competitive Aryl Iodide vs Aryl Aryl Reductive Elimination Reactions in Pt(IV) Complexes: Experimental and Theoretical Studies. <i>Journal of the American Chemical Society</i> , 2008, 130, 724-731.	6.6	81
42	The Inside of Metal Calixarene Chemistry. <i>Supramolecular Chemistry</i> , 2008, 20, 129-139.	1.5	22
43	Tunable π -Interactions in Monomeric Organozinc Complexes: Solution and Solid-State Studies. <i>Organometallics</i> , 2007, 26, 4015-4020.	1.1	30
44	Aryl-Halide versus Aryl Aryl Reductive Elimination in Pt(IV) Phosphine Complexes. <i>Journal of the American Chemical Society</i> , 2006, 128, 8710-8711.	6.6	56
45	Transition metal ion coordination to the neutral oxygen atoms of the calix[4]arene lower rim. <i>Inorganic Chemistry Communication</i> , 2005, 8, 1028-1030.	1.8	9
46	Difluoro Complexes of Platinum(II) and -(IV) with Monodentate Phosphine Ligands: An Exceptional Stability of d6 Octahedral Organometallic Fluorides. <i>Inorganic Chemistry</i> , 2005, 44, 1547-1553.	1.9	66
47	Iodine Oxidative Addition to Isomeric Platinum(II) Phosphine Complexes. <i>Organometallics</i> , 2005, 24, 5654-5659.	1.1	25
48	Substituent-Dependent Formation of Organotransition-Metal Bimetallic Calix[4]arene Inclusion Complexes. <i>Organometallics</i> , 2004, 23, 4540-4543.	1.1	23
49	Synthesis of the Elusive (R ₃ P) ₂ MF ₂ (M = Pd, Pt) Complexes. <i>Journal of the American Chemical Society</i> , 2003, 125, 13634-13635.	6.6	81
50	Selective Stepwise Arylation of Unprotected Peptides by Pt(IV) Complexes. <i>Angewandte Chemie</i> , 0, , .	1.6	0