

# Arkadi Vigalok

## List of Publications by Year in descending order

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50  
papers

1,599  
citations

304602

22  
h-index

302012

39  
g-index

55  
all docs

55  
docs citations

55  
times ranked

1490  
citing authors

#	ARTICLE	IF	CITATIONS
1	Highly Efficient Organic Reactions $\hat{\in}$ on Water $\hat{\in}$ , $\hat{\in}$ on Water $\hat{\in}$ , and Both. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 2849-2852.	7.2	177
2	Xenon Difluoride Induced Aryl Iodide Reductive Elimination: $\hat{\in}$ a Simple Access to Difluoropalladium(II) Complexes. <i>Inorganic Chemistry</i> , 2008, 47, 5-7.	1.9	95
3	Metal $\hat{\in}$ Mediated Formation of Carbon $\hat{\in}$ Halogen Bonds. <i>Chemistry - A European Journal</i> , 2008, 14, 5102-5108.	1.7	87
4	Synthesis of the Elusive (R <sup>3</sup> P) <sub>2</sub> MF <sub>2</sub> (M = Pd, Pt) Complexes. <i>Journal of the American Chemical Society</i> , 2003, 125, 13634-13635.	6.6	81
5	Competitive Aryl $\hat{\in}$ Iodide vs Aryl $\hat{\in}$ Aryl Reductive Elimination Reactions in Pt(IV) Complexes: $\hat{\in}$ Experimental and Theoretical Studies. <i>Journal of the American Chemical Society</i> , 2008, 130, 724-731.	6.6	81
6	Difluoro Complexes of Platinum(II) and -(IV) with Monodentate Phosphine Ligands: $\hat{\in}$ An Exceptional Stability of d <sup>6</sup> Octahedral Organometallic Fluorides. <i>Inorganic Chemistry</i> , 2005, 44, 1547-1553.	1.9	66
7	Reagent-Dependent Formation of C $\hat{\in}$ C and C $\hat{\in}$ 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
8	Electrophilic Halogenation $\hat{\in}$ Reductive Elimination Chemistry of Organopalladium and -Platinum Complexes. <i>Accounts of Chemical Research</i> , 2015, 48, 238-247.	7.6	64
9	Aryl-Halide versus Aryl $\hat{\in}$ Aryl Reductive Elimination in Pt(IV) $\hat{\in}$ Phosphine Complexes. <i>Journal of the American Chemical Society</i> , 2006, 128, 8710-8711.	6.6	56
10	Electrophilic Fluorination of Group 10 Organometallic Complexes: Chemistry beyond Oxidative Addition. <i>Organometallics</i> , 2011, 30, 4802-4810.	1.1	45
11	Straightforward radical organic chemistry in neat conditions and $\hat{\in}$ on water $\hat{\in}$ . <i>Green Chemistry</i> , 2010, 12, 582.	4.6	42
12	Evidence for Metal $\hat{\in}$ Ligand Cooperation in a Pd $\hat{\in}$ PNF Pincer-Catalyzed Cross-Coupling. <i>Journal of the American Chemical Society</i> , 2013, 135, 967-970.	6.6	42
13	Aryl-bromide reductive elimination from an isolated Pt(IV) complex. <i>Chemical Communications</i> , 2010, 46, 3324.	2.2	33
14	Tubular Conjugated Polymer for Chemosensory Applications. <i>Journal of the American Chemical Society</i> , 2012, 134, 7290-7292.	6.6	33
15	Late Transition Metal-Mediated Formation of Carbon $\hat{\in}$ Halogen Bonds. <i>Topics in Organometallic Chemistry</i> , 2010, , 19-38.	0.7	32
16	Organic Synthesis $\hat{\in}$ on Water $\hat{\in}$ vs $\hat{\in}$ on Liquids $\hat{\in}$ : A Comparative Analysis. <i>Organic Letters</i> , 2014, 16, 1964-1967.	2.4	32
17	Tunable $\hat{\in}$ -Interactions in Monomeric Organozinc Complexes: $\hat{\in}$ Solution and Solid-State Studies. <i>Organometallics</i> , 2007, 26, 4015-4020.	1.1	30
18	Selective Aryl $\hat{\in}$ Fluoride Reductive Elimination from a Platinum(IV) Complex. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 12447-12451.	7.2	28

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19	Iodine Oxidative Addition to Isomeric Platinum(II) Phosphine Complexes. <i>Organometallics</i> , 2005, 24, 5654-5659.	1.1	25
20	Substituent-Dependent Formation of Organotransition-Metal Bimetallic Calix[4]arene Inclusion Complexes. <i>Organometallics</i> , 2004, 23, 4540-4543.	1.1	23
21	Salt-Controlled Selectivity in <i>in</i> Water and <i>in</i> Water-Passerini-Type Multicomponent Reactions. <i>Advanced Synthesis and Catalysis</i> , 2012, 354, 2407-2411.	2.1	23
22	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
23	Fluorescent Calixarene Scaffolds for NO Detection in Protic Media. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 2774-2778.	7.2	23
24	The Inside of Metal Calixarene Chemistry. <i>Supramolecular Chemistry</i> , 2008, 20, 129-139.	1.5	22
25	Unprecedented 1,3-migration of the aryl ligand in metallacyclic aryl $\lambda^2$ -naphthyl Pt(IV) difluorides to produce $\lambda^2$ -arylnaphthyl Pt(II) complexes. <i>Chemical Communications</i> , 2013, 49, 3446.	2.2	20
26	Entry to new N,O-ligands from oxygen-depleted calixarenes. <i>Chemical Communications</i> , 2009, , 2041.	2.2	17
27	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
28	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
29	Stepwise Boron-to-Zinc C <sub>6</sub> F <sub>5</sub> Group Transfer in a Zn-Calixarene System. <i>Organometallics</i> , 2009, 28, 929-932.	1.1	12
30	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
31	Amphiphilic Block Polypeptide-Type Ligands for Micellar Catalysis in Water. <i>Advanced Synthesis and Catalysis</i> , 2009, 351, 1499-1504.	2.1	10
32	Palladium-Assisted Room-Temperature Nucleophilic Substitution of an Unactivated Aryl Fluoride. <i>Organometallics</i> , 2012, 31, 1275-1277.	1.1	10
33	Organopalladium Complexes of Oxacalixarenes: Selecting the Lid for the Three-Dimensional Scaffold. <i>Inorganic Chemistry</i> , 2013, 52, 6779-6781.	1.9	10
34	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
35	Synthesis and reactivity of unsymmetrical difluoro Pt(IV) complexes. <i>Journal of Fluorine Chemistry</i> , 2010, 131, 1100-1102.	0.9	9
36	Selective Aryl Fluoride Reductive Elimination from a Platinum(IV) Complex. <i>Angewandte Chemie</i> , 2015, 127, 12624-12628.	1.6	8

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37	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
38	Oxygen-Depleted Calixarenes as Ligands for Molecular Models of Galactose Oxidase. <i>Chemistry - A European Journal</i> , 2019, 25, 13285-13289.	1.7	6
39	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
40	Aryl C(sp <sup>2</sup> )-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
41	Asymmetric Transfer Hydrogenation of Ketones Catalyzed by Rhodium Block Copolymer Complexes in Aqueous Micelles. <i>Synlett</i> , 2012, 23, 2619-2622.	1.0	5
42	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
43	Fluorescent Calixarene Scaffolds for NO Detection in Protic Media. <i>Angewandte Chemie</i> , 2019, 131, 2800-2804.	1.6	5
44	The Coordination Behavior of Oxygen-Depleted Calixarenes towards d <sup>10</sup> Noble Metal Ions. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2020, 646, 904-908.	0.6	5
45	Fluorophore-Appendant 5,5'-Bicalixarene Scaffolds for Host-Guest Sensing of Nitric Oxide. <i>Organic Letters</i> , 2020, 22, 9706-9711.	2.4	4
46	Aryl-C-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
47	Selective Stepwise Arylation of Unprotected Peptides by Pt <sup>IV</sup> Complexes. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	3
48	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
49	Iron chemistry of an asymmetrically substituted, triazole-functionalised calixarene ligand. <i>Supramolecular Chemistry</i> , 2014, 26, 530-537.	1.5	0
50	Selective Stepwise Arylation of Unprotected Peptides by Pt(IV) Complexes. <i>Angewandte Chemie</i> , 0, , .	1.6	0