

# Gerald P Niccolai

## List of Publications by Year in descending order

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30  
papers

1,184  
citations

430874

18  
h-index

477307

29  
g-index

30  
all docs

30  
docs citations

30  
times ranked

1129  
citing authors

#	ARTICLE	IF	CITATIONS
1	Supported Metallocene Catalysts by Surface Organometallic Chemistry. Synthesis, Characterization, and Reactivity in Ethylene Polymerization of Oxide-Supported Mono- and Biscyclopentadienyl Zirconium Alkyl Complexes: Establishment of Structure/Reactivity Relationships. <i>Journal of the American Chemical Society</i> , 2001, 123, 3520-3540.	13.7	180
2	The chemistry of sterically crowded aryl oxide ligands. 3. Crystal and molecular structure and spectroscopic properties of mixed benzyl-aryl oxide compounds of zirconium. <i>Organometallics</i> , 1985, 4, 902-908.	2.3	134
3	The Importance of Imidazolium Substituents in the Use of Imidazolium-Based Room-Temperature Ionic Liquids as Solvents for Palladium-Catalyzed Telomerization of Butadiene with Methanol. <i>Organometallics</i> , 2003, 22, 4418-4425.	2.3	114
4	Surface Organometallic Chemistry of Inorganic Oxides: The Synthesis and Characterization of $(\text{Ti}(\text{O})\text{Ta}(\text{CH}(\text{CH}_3)_3)(\text{CH}_2\text{C}(\text{CH}_3)_3)_2$ and $(\text{Ti}(\text{O})\text{Ta}(\text{CH}(\text{CH}_3)_3)(\text{CH}_2\text{C}(\text{CH}_3)_3))_2$ . <i>Journal of the American Chemical Society</i> , 1995, 117, 4288-4294.	13.7	100
5	Catalytic Hydrogenolysis and Isomerization of Light Alkanes over the Silica-Supported Titanium Hydride Complex $(\text{Ti}(\text{O})\text{TiH})_3$ . <i>Journal of the American Chemical Society</i> , 1997, 119, 12408-12409.	13.7	95
6	Group emotions: the social and cognitive functions of emotions in argumentation. <i>International Journal of Computer-Supported Collaborative Learning</i> , 2016, 11, 123-156.	3.0	52
7	Primary selectivity in the activation of the carbon-hydrogen bonds of propane by silica supported zirconium hydride. <i>Applied Catalysis A: General</i> , 1996, 146, 145-156.	4.3	46
8	Oxide supported surface organometallic complexes as a new generation of catalysts for carbon-carbon bond activation. <i>Applied Catalysis A: General</i> , 1999, 182, 1-8.	4.3	45
9	Surface Organometallic Chemistry of Titanium: Synthesis, Characterization, and Reactivity of $(\text{Ti}(\text{O})\text{Ti}(\text{CH}_2\text{C}(\text{CH}_3)_3)_4$ -n (n= 1, 2) Grafted on Aerosil Silica and MCM-41. <i>Organometallics</i> , 2006, 25, 3743-3760.	2.3	39
10	New insights into the encapsulation and stabilization of heteropolyacids inside the pore walls of mesostructured silica materials. <i>Journal of Materials Chemistry</i> , 2009, 19, 1142.	6.7	39
11	Formation of bridging acylium and nitrilium complexes by reaction of carbon monoxide and tert-butyl isocyanide with a bridging diiron methylidyne complex. Evidence for strong electron donation from the $\text{Fe}_2\text{C}$ core onto the $\mu\text{-CHC}(\text{O})$ and $\mu\text{-CHC}(\text{NR})$ ligands. <i>Journal of the American Chemical Society</i> , 1988, 110, 6070-6076.	13.7	32
12	Surface Organometallic Chemistry of Tin: Reaction of Hydridotris(butyl)tin with the Surfaces of Partially Dehydroxylated Aluminas. <i>Journal of the American Chemical Society</i> , 1994, 116, 8638-8646.	13.7	32
13	Intramolecular coupling of $\beta$ -iminoacyl functions at Group 4 metal centers. <i>Organometallics</i> , 1985, 4, 1896-1898.	2.3	30
14	Preparation and Characterization of Small Silica-Supported Iridium Particles from Iridium Trisacetylacetonate Precursor. <i>Journal of Catalysis</i> , 2000, 193, 154-160.	6.2	29
15	Hydrogenolysis of Cyclohexane over Ir/SiO <sub>2</sub> Catalyst: A Mechanistic Study of Carbon-Carbon Bond Cleavage on Metallic Surfaces. <i>Journal of the American Chemical Society</i> , 2001, 123, 1658-1663.	13.7	22
16	Silica-Supported Zirconium Complexes and their Polyoligosilsesquioxane Analogues in the Transesterification of Acrylates: Part 2. Activity, Recycling and Regeneration. <i>Advanced Synthesis and Catalysis</i> , 2009, 351, 2168-2177.	4.3	22
17	Dinuclear aryloxy chemistry. 4. Effect of aryloxy ancillary ligands on the chemistry of molybdenum-molybdenum and tungsten-tungsten multiple metal-metal bonds. <i>Journal of the American Chemical Society</i> , 1985, 107, 3572-3583.	13.7	21
18	The catalytic isomerization reactions of 2-methyl-3-butenenitrile into 3-pentenitrile in ionic liquids. <i>Journal of Molecular Catalysis A</i> , 2004, 214, 71-81.	4.8	20

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19	Theoretical study of silsesquioxane organometallic complex structure and IR spectrum. II Interpretation of the IR spectrum. Journal of Molecular Structure, 1998, 443, 89-106.	3.6	16
20	The comparison of two classes of bifunctional SBA-15 supported platinum-heteropolyacid catalysts for the isomerization of n-hexane. New Journal of Chemistry, 2015, 39, 5300-5308.	2.8	15
21	The Electronic Structure of $[(\eta^5\text{-C}_5\text{H}_5)_2\text{Co}_2]$ : Comment on the Existence of a Complex with an Unsupported Co- $\pi$ -Co Double Bond. Angewandte Chemie International Edition in English, 1992, 31, 471-473.	4.4	14
22	Theoretical study of silsesquioxane organometallic complex structure and IR spectrum. I. Object of investigation, implemented approaches and construction of molecular models. Journal of Molecular Structure, 1998, 443, 67-88.	3.6	14
23	Group Emotions in Collective Reasoning: A Model. Argumentation, 2017, 31, 301-329.	1.0	14
24	Elektronenstruktur von $[(\eta^5\text{-C}_5\text{H}_5)_2\text{Co}_2]$ : Kommentar zur Existenz eines Komplexes mit einer unverbrückten Co-Co-Doppelbindung. Angewandte Chemie, 1992, 104, 464-466.	2.0	11
25	Photochemical dehydrogenation of $[\text{C}_5\text{H}_5(\text{CO})\text{Fe}]_2(\mu\text{-CO})(\mu\text{-CHCH}_2\text{CH}_2\text{CH}_2\text{CH}_3)$ to $[\text{C}_5\text{H}_5(\text{CO})\text{Fe}](\mu\text{-CO})(\mu\text{-}\eta^1\text{-}\eta^3\text{-CHCH:CHCH}_2\text{CH}_3)[\text{FeC}_5\text{H}_5]$ . Organometallics, 1994, 13, 2527-2531.	2.3	11
26	Hydrogenolysis and Homologation of 3,3-Dimethyl-1-butene on Ru/SiO <sub>2</sub> Catalyst: Implications for the Mechanism of Carbon-Carbon Bond Formation and Cleavage on Metal Surfaces. Journal of Catalysis, 1995, 152, 306-312.	6.2	10
27	Hydrogenolysis of 1,4-dimethylcyclohexane on silica supported iridium catalyst: influence of time on stream on activity and selectivity. Catalysis Communications, 2003, 4, 189-194.	3.3	8
28	New Processes for Carbon-Carbon Bond Activation Catalysed by Oxide Supported Surface Organometallic Complexes. , 1998, , 111-124.		8
29	An analysis of the metal-metal bonding in organodirhenium complexes containing Re $\pi$ -Re double bonds. Journal of Organometallic Chemistry, 1994, 478, 153-160.	1.8	7
30	Unique selectivity for the dimerization of propene on RhSnSiO <sub>2</sub> catalysts: implications on the mechanism of C $\pi$ -C bond formation and cleavage on bimetallic catalysts. Journal of Molecular Catalysis A, 1995, 100, 61-73.	4.8	4