

Mathieu J-L Tschan

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/346116/publications.pdf>

Version: 2024-02-01

36
papers

1,345
citations

430874

18
h-index

377865

34
g-index

37
all docs

37
docs citations

37
times ranked

1721
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis of biodegradable polymers from renewable resources. <i>Polymer Chemistry</i> , 2012, 3, 836-851.	3.9	389
2	New processes for the selective production of 1-octene. <i>Coordination Chemistry Reviews</i> , 2011, 255, 1499-1517.	18.8	208
3	Copper(II) Triflate as a Source of Triflic Acid: Effective, Green Catalysis of Hydroalkoxylation Reactions. <i>Advanced Synthesis and Catalysis</i> , 2009, 351, 2496-2504.	4.3	68
4	Isoselective Ring-Opening Polymerization of <i>rac</i> -Lactide from Chiral Takemoto's Organocatalysts: Elucidation of Stereocontrol. <i>ACS Macro Letters</i> , 2018, 7, 1413-1419.	4.8	62
5	Controlling polymer stereochemistry in ring-opening polymerization: a decade of advances shaping the future of biodegradable polyesters. <i>Chemical Society Reviews</i> , 2021, 50, 13587-13608.	38.1	62
6	Efficient Bulky Phosphines for the Selective Telomerization of 1,3-Butadiene with Methanol. <i>Journal of the American Chemical Society</i> , 2010, 132, 6463-6473.	13.7	61
7	Yttrium catalysts for syndioselective $\hat{2}$ -butyrolactone polymerization: on the origin of ligand-induced stereoselectivity. <i>Polymer Chemistry</i> , 2013, 4, 360-367.	3.9	53
8	Polymerization of <i>rac</i> -Lactide Using Achiral Iron Complexes: Access to Thermally Stable Stereocomplexes. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 12585-12589.	13.8	47
9	Zinc and cobalt complexes based on tripodal ligands: synthesis, structure and reactivity toward lactide. <i>Dalton Transactions</i> , 2014, 43, 4550.	3.3	42
10	Enantioselective hydrogenation of ketones by iridium nanoparticles ligated with chiral secondary phosphine oxides. <i>Catalysis Science and Technology</i> , 2016, 6, 3758-3766.	4.1	41
11	Nondestructive Room-Temperature Adsorption of 2,4,6-tri(2-thienyl)-1,3,5-triazine on a Si-B Interface: High-Resolution STM Imaging and Molecular Modeling. <i>Physical Review Letters</i> , 2008, 100, 076405.	7.8	30
12	Large \hat{P} -P Distance Diphosphines and Their Monophosphine Analogues as Ligands in the Palladium-Catalyzed Telomerization of 1,3-Butadiene and Methanol. <i>Organometallics</i> , 2011, 30, 792-799.	2.3	29
13	Ruthenium Metal Nanoparticles in Hydrogenation: Influence of Phosphorus-Ligands. <i>Topics in Catalysis</i> , 2014, 57, 1054-1065.	2.8	26
14	Unlocking the Potential of Poly(<i>ortho</i> Ester)s: A General Catalytic Approach to the Synthesis of Surface-Erodible Materials. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 16664-16668.	13.8	24
15	Reactivity of the Unsaturated Complex [(C6Me6)2Ru2($\hat{1}/2$ -H)3] ⁺ toward Phosphines: \hat{A} Synthesis and Molecular Structure of the Dinuclear Cations [(C6Me6)2Ru2($\hat{1}/2$ -PR2)($\hat{1}/2$ -H)2] ⁺ and Characterization of the \hat{P} -C Bond Activation Intermediate [(C6Me6)2Ru2($\hat{1}/2$ -PPh2)($\hat{1}/2$ -H)($\hat{1}/2$ -Ph)] ⁺ . <i>Organometallics</i> , 2005, 24, 1974-1981.	2.3	21
16	Supramolecular cluster catalysis: facts and problems. <i>Journal of Organometallic Chemistry</i> , 2004, 689, 1362-1369.	1.8	20
17	Tandem catalysis: a new approach to polypeptides and cyclic carbonates. <i>Chemical Communications</i> , 2014, 50, 13773-13776.	4.1	20
18	Supported neodymium catalysts for MMA polymerization: on the origin of surface-induced stereoselectivity. <i>Polymer Chemistry</i> , 2012, 3, 1730-1739.	3.9	18

#	ARTICLE	IF	CITATIONS
19	Single-site cobalt and zinc catalysts for the ring-opening polymerization of lactide. <i>European Polymer Journal</i> , 2019, 120, 109208.	5.4	16
20	Subsequent Hydride Substitution in (Arene)trihydridoruthenium Complexes: Synthesis and Structure of Thiolato-Bridged Diruthenium Cations of the Type $[H_2(arene)_2Ru_2(p-X\text{-}C_6H_4\text{-}S)]^+$ and $[H(arene)_2Ru_2(p-X\text{-}C_6H_4\text{-}S)_2]^+$. <i>European Journal of Inorganic Chemistry</i> , 2004, 2004, 2405-2411.	2.0	14
21	Telomerisation of Buta-1,3-diene and Methanol: Superiority of Chromanyl-type Phosphines in the Dow Process for the Industrial Production of 1-MOD. <i>Chemistry - A European Journal</i> , 2011, 17, 8922-8928.	3.3	14
22	Highly Selective Hydrogenation of Carbon-Carbon Multiple Bonds Catalyzed by the Cation $[(C_6Me_6)_2Ru_2(PPh_2)H_2]^+$: Molecular Structure of $[(C_6Me_6)_2Ru_2(PPh_2)(CHCHPh)H]^+$, a Possible Intermediate in the Case of Phenylacetylene Hydrogenation. <i>Chemistry - A European Journal</i> , 2007, 13, 292-299.	3.3	12
23	Supramolecular Cluster Catalysis: A Case Study of Benzene Hydrogenation. <i>Chimia</i> , 2003, 57, 593-596.	0.6	10
24	Unlocking the Potential of Poly(<i>ortho</i> Ester)s: A General Catalytic Approach to the Synthesis of Surface-Erodible Materials. <i>Angewandte Chemie</i> , 2017, 129, 16891-16895.	2.0	9
25	Microstructurally controlled polymers of rac-lactide by lithium complexes. <i>Comptes Rendus Chimie</i> , 2016, 19, 167-172.	0.5	8
26	Polymerization of rac-lactide Using Achiral Iron Complexes: Access to Thermally Stable Stereocomplexes. <i>Angewandte Chemie</i> , 2019, 131, 12715-12719.	2.0	7
27	A Surprising Reaction of Trimethylphosphane with the Unsaturated Diruthenium Complex $[(\text{-}6\text{-}C_6Me_6)_2Ru_2(\text{-}4\text{-}H)_3]^+$: Synthesis and Molecular Structure of the Cations $[(\text{-}6\text{-}C_6Me_6)_2Ru_2(PMe_3)_3(\text{-}4\text{-}H)_3]^+$ and $[(\text{-}6\text{-}C_6Me_6)_2Ru_2(PMe_3)_2(\text{-}4\text{-}H)(H)_2]^+$. <i>European Journal of Inorganic Chemistry</i> , 2007, 2007, 509-513.	2.0	6
28	Dinuclear (Arene)ruthenium Complexes Containing a Chiral-at-Phosphorus Phosphanido Bridge. <i>European Journal of Inorganic Chemistry</i> , 2007, 2007, 3091-3100.	2.0	6
29	Dinuclear hexamethylbenzene ruthenium cations containing $\text{-}1\text{-}2\text{-}2\text{-}(\text{ferrocenyl})\text{ethen-1-yl}$ ligands: Synthesis, structure, electrochemistry. <i>Journal of Organometallic Chemistry</i> , 2006, 691, 4304-4311.	1.8	5
30	Sulfur-containing trinuclear arene ruthenium clusters. <i>Journal of Molecular Structure</i> , 2005, 743, 177-181.	3.6	4
31	A joint experimental/theoretical investigation of the MMA polymerization initiated by yttrium phenoxyamine complexes. <i>Dalton Transactions</i> , 2013, 42, 9226.	3.3	4
32	The water-soluble cluster cation $[H_3Ru_3(C_6H_6)(C_6Me_6)_2(O)]^+$: Improved synthesis, aerobic oxidation, electrochemical properties and ligand exchange studies. <i>Polyhedron</i> , 2005, 24, 1961-1967.	2.2	3
33	Grafting of Organoruthenium Oligomers on Quartz Substrates: Synthesis, Electrochemistry, Optical Properties, and AFM Investigations. <i>Chemistry of Materials</i> , 2007, 19, 3754-3762.	6.7	3
34	$\text{-}4\text{-}Chloro\text{-}4\text{-}diphenylphosphido\text{-}4\text{-}hydrido\text{-}bis[(\text{-}6\text{-}hexamethylbenzene)ruthenium(II)]$ tetrafluoroborate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2006, 62, m954-m956.	0.2	1
35	Supramolecular Cluster Catalysis: A Case Study of Benzene Hydrogenation. <i>ChemInform</i> , 2004, 35, no.	0.0	0
36	$(\text{-}4\text{-}Diphenylphosphido\text{-}P\text{-}4\text{-}hydrido\text{-}4\text{-}hydroxybenzenethiolato\text{-}2S\text{-}S)$ bis $[(\text{-}6\text{-}hexamethylbenzene)ruthenium(II)]$ tetrafluoroborate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2006, 62, m2916-m2918.	0.2	0