

# Antal Tungler

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5431877/publications.pdf>

Version: 2024-02-01

59  
papers

962  
citations

361045

20  
h-index

525886

27  
g-index

59  
all docs

59  
docs citations

59  
times ranked

712  
citing authors

#	ARTICLE	IF	CITATIONS
1	Catalysis with supported palladium metal, selectivity in the hydrogenation of C <sup>∞</sup> ...C, C <sup>∞</sup> ...O and C <sup>∞</sup> ...N bonds, from chemo- to enantioselectivity. <i>Journal of Molecular Catalysis A</i> , 2001, 173, 231-247.	4.8	55
2	Diastereoselective heterogeneous catalytic hydrogenation of N-heterocycles. Part I. Hydrogenation of pyridines. <i>Applied Catalysis A: General</i> , 2000, 201, 107-114.	2.2	45
3	Photocatalytic, photolytic and radiolytic elimination of imidacloprid from aqueous solution: Reaction mechanism, efficiency and economic considerations. <i>Applied Catalysis B: Environmental</i> , 2019, 250, 429-439.	10.8	42
4	Selective oxidation of glucose versus CO oxidation over supported gold catalysts. <i>Applied Catalysis A: General</i> , 2010, 388, 31-36.	2.2	39
5	Heterogeneous Catalytic Asymmetric Hydrogenation of the C=C Bond. <i>Current Organic Chemistry</i> , 2006, 10, 1569-1583.	0.9	37
6	Comparison of chiral modifiers in the Pd catalysed hydrogenation of phenylcinnamic acid and isophorone. <i>Journal of Molecular Catalysis A</i> , 1999, 149, 135-140.	4.8	32
7	Effect of carbon support properties on enantioselective hydrogenation of isophorone over palladium catalysts modified with (âˆ“)âˆ“)-dihydroapovincaminic acid ethyl ester. <i>Journal of Molecular Catalysis A</i> , 2000, 153, 215-219.	4.8	32
8	Enantioselective hydrogenations with highly mesoporous carbon supported Pd catalysts. <i>Journal of Molecular Catalysis A</i> , 2004, 212, 245-250.	4.8	31
9	New chiral auxiliaries in enantioselective heterogeneous catalytic hydrogenations: (âˆ“) and (+)-dihydro-apovincaminic acid. Comparison with (âˆ“)âˆ“)-dihydro-apovincaminic acid ethyl ester. III. <i>Journal of Molecular Catalysis A</i> , 1999, 138, 123-127.	4.8	30
10	Enantioselective hydrogenation of ethyl pyruvate and isophorone over modified Pt and Pd catalysts. <i>Studies in Surface Science and Catalysis</i> , 1997, , 157-165.	1.5	28
11	Enantioselective hydrogenation of exocyclic Î±,Î²-unsaturated ketones. <i>Journal of Molecular Catalysis A</i> , 2002, 179, 101-106.	4.8	27
12	(S)-Proline based chiral modifiers. <i>Journal of Molecular Catalysis A</i> , 2003, 198, 167-173.	4.8	27
13	Synthesis of chiral amino acids and amines over solid catalysts. <i>Catalysis Today</i> , 1997, 37, 191-208.	2.2	26
14	Diastereoselective heterogeneous catalytic hydrogenation of N-heterocycles. <i>Applied Catalysis A: General</i> , 2001, 210, 165-171.	2.2	26
15	New substrates and modifiers in the enantioselective heterogeneous catalytic hydrogenation of the C <sup>∞</sup> ...C double bond. <i>Journal of Molecular Catalysis A</i> , 2004, 216, 171-180.	4.8	25
16	Hydrogenation of pyrrole derivatives I. Hydrogenations over palladium. <i>Applied Catalysis A: General</i> , 1996, 143, 309-316.	2.2	23
17	Hydrogenation of pyrrole derivatives. II. Hydrogenations over supported noble metal catalysts. <i>Applied Catalysis A: General</i> , 1996, 147, 407-414.	2.2	23
18	Enantioselective hydrogenation of exocyclic Î±,Î²-unsaturated ketones. <i>Journal of Molecular Catalysis A</i> , 2003, 192, 189-194.	4.8	22

#	ARTICLE	IF	CITATIONS
19	Stereochemistry of the enantioselective reductive alkylation of proline with ketones. <i>Tetrahedron: Asymmetry</i> , 1993, 4, 331-338.	1.8	21
20	(S)- $\hat{1}\pm, \hat{1}\pm$ -Diphenyl- and (S)- $\hat{1}\pm, \hat{1}\pm$ -dinaphthyl-2-pyrrolidinemethanol as chiral modifiers in asymmetric heterogeneous catalytic hydrogenation of isophorone. <i>Journal of Molecular Catalysis A</i> , 2002, 186, 187-192.	4.8	20
21	Enantioselective hydrogenation of isophorone over Pd catalysts in the presence of ( $\hat{a}$ )'-dihydroapovincaminic acid ethyl ester. <i>Journal of Molecular Catalysis A</i> , 2001, 170, 101-107.	4.8	19
22	n-Octane reforming over modified catalysts I. The role of Sn, Te and Bi under industrial conditions. <i>Applied Catalysis A: General</i> , 2002, 226, 155-161.	2.2	18
23	Stereodifferentiation in heterogeneous catalytic hydrogenation. Kinetic resolution and asymmetric hydrogenation in the presence of (S)-proline: Catalyst-dependent processes. <i>Journal of Catalysis</i> , 2010, 270, 2-8.	3.1	17
24	Wet air oxidation of paracetamol over precious metal/Ti mesh monolith catalyst. <i>Journal of Industrial and Engineering Chemistry</i> , 2017, 46, 364-372.	2.9	17
25	n-Octane reforming over modified catalysts. <i>Applied Catalysis A: General</i> , 2002, 231, 151-157.	2.2	16
26	Hydrogenation of pyrrole derivatives. Part IV. Hydrogenation of 1-methylpyrrole. <i>Applied Catalysis A: General</i> , 1997, 152, 143-151.	2.2	15
27	Diastereoselective and enantioselective heterogeneous catalytic hydrogenation of aminocinnamic acid derivatives. <i>Journal of Molecular Catalysis A</i> , 1999, 139, 239-244.	4.8	15
28	Asymmetric hydrogenation of isophorone in the presence of (S)-proline: Revival of a 20 years old reaction. <i>Catalysis Today</i> , 2009, 140, 58-63.	2.2	15
29	Production of steam cracking feedstocks by mild cracking of plastic wastes. <i>Fuel Processing Technology</i> , 2010, 91, 1717-1724.	3.7	15
30	FACILE SYNTHESIS OF 1,2,3,4,5,6-HEXAHYDROPHOSPHININE 1-OXIDES BY THE HYDROGENATION OF 1,2-DIHYDROPHOSPHININE 1-OXIDES. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 1992, 70, 219-227.	0.8	13
31	Hydrogenation of pyrrole derivatives Part III. Hydrogenation of methyl 1-methyl-2-pyrroleacetate. <i>Applied Catalysis A: General</i> , 1997, 153, 133-139.	2.2	13
32	Induced Chiral Metal Surfaces in Asymmetric Hydrogenations?. <i>Reaction Kinetics and Catalysis Letters</i> , 2001, 74, 271-276.	0.6	13
33	Title is missing!. <i>Reaction Kinetics and Catalysis Letters</i> , 2003, 79, 101-109.	0.6	12
34	Wet oxidation properties of process waste waters of fine chemical and pharmaceutical origin. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2011, 103, 251-260.	0.8	12
35	Comparison of precious metal oxide/titanium monolith catalysts in wet oxidation of wastewaters. <i>Applied Catalysis B: Environmental</i> , 2012, 127, 99-104.	10.8	12
36	Enantioselective hydrogenation of isophorone with titania supported Pd catalysts modified by ( $\hat{a}$ )'-dihydroapovincaminic acid ethyl ester effect of the support and the reduction method. <i>Journal of Molecular Catalysis A</i> , 2002, 179, 107-112.	4.8	11

#	ARTICLE	IF	CITATIONS
37	Wet oxidation of dimethylformamide via designed experiments approach studied with Ru and Ir containing Ti mesh monolith catalysts. <i>Journal of Industrial and Engineering Chemistry</i> , 2016, 34, 405-414.	2.9	11
38	Magnetic studies of the adsorption on nickel catalyst. <i>Reaction Kinetics and Catalysis Letters</i> , 1982, 19, 181-185.	0.6	10
39	Co-treatment and utilisation of liquid pharmaceutical wastes. <i>Periodica Polytechnica: Chemical Engineering</i> , 2011, 55, 3.	0.5	10
40	Mineralization of aqueous phenolate solutions: A combination of irradiation treatment and wet oxidation. <i>Radiation Physics and Chemistry</i> , 2012, 81, 1484-1488.	1.4	10
41	Selective hydrogenation of exocyclic $\hat{1}\pm, \hat{1}^2$ -unsaturated ketones. <i>Journal of Molecular Catalysis A</i> , 2000, 154, 237-241.	4.8	9
42	Effect of pretreatment of the catalyst and catalyst-modifier system in the enantioselective hydrogenation of isophorone. <i>Reaction Kinetics and Catalysis Letters</i> , 2003, 80, 365-373.	0.6	9
43	Effect of basic and acidic additives on the (S)-proline and Pd mediated kinetic resolution of 3,5,5-trimethyl cyclohexanone and asymmetric hydrogenation of isophorone. <i>Journal of Molecular Catalysis A</i> , 2011, 336, 72-77.	4.8	9
44	Catalytic wet oxidation of real process wastewaters. <i>Periodica Polytechnica: Chemical Engineering</i> , 2011, 55, 49.	0.5	7
45	The synthesis of six-membered P-heterocycles with sterically demanding substituent on the phosphorus atom. <i>Heteroatom Chemistry</i> , 2001, 12, 528-533.	0.4	6
46	Chemo- and Diastereoselectivity in the Heterogeneous Catalytic Hydrogenation of 2,2- $\hat{2}$ -Pyridoin and Its Derivatives. <i>Journal of Catalysis</i> , 2002, 209, 472-479.	3.1	6
47	Asymmetric hydrogenation of prochiral and kinetic resolution of chiral cyclohexanone derivatives with Pd catalysts. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2014, 111, 107-114.	0.8	6
48	A Laboratory Steam-Cracking Reactor to Characterize Raw Materials. <i>International Journal of Chemical Reactor Engineering</i> , 2004, 2, .	0.6	5
49	Overcoming Problems at Elaboration and Scale-up of Liquid-Phase Pd/C Mediated Catalytic Hydrogenations in Pharmaceutical Production. <i>Organic Process Research and Development</i> , 2016, 20, 1246-1251.	1.3	5
50	Heterogeneous catalytic asymmetric hydrogenations with modifiers of axial chirality. <i>Reaction Kinetics and Catalysis Letters</i> , 2007, 90, 413-418.	0.6	4
51	n-Octane Reforming: Conversion And Selectivity Dependence On Space Velocity. <i>Reaction Kinetics and Catalysis Letters</i> , 2001, 72, 269-275.	0.6	3
52	Comparison of catalysis and high energy irradiation for the intensification of wet oxidation as process wastewater pretreatment. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2015, 116, 95-103.	0.8	3
53	Novel general procedure for the preparation of homogeneous nonionic surfactants. <i>Journal of Surfactants and Detergents</i> , 2002, 5, 353-357.	1.0	2
54	Steam-cracking of high molecular weight paraffins. <i>Reaction Kinetics and Catalysis Letters</i> , 2007, 92, 223-230.	0.6	2

#	ARTICLE	IF	CITATIONS
55	Comparative laboratory steam-cracking of different raw materials. Reaction Kinetics and Catalysis Letters, 2006, 88, 175-181.	0.6	1
56	Synthesis of 1,2,3,4,5,6-Hexahydrophosphinine 1-Oxides by Catalytic Hydrogenation of 3-Phosphabicyclo[3.1.0]hexane 3-Oxides. Molecules, 1997, 2, 43-45.	1.7	0
57	Rate and Stereoselectivity Changes During Hydrogenation of n-Heterocycles. Reaction Kinetics and Catalysis Letters, 2001, 73, 109-115.	0.6	0
58	n-Octane reforming over modified catalysts: effect of regeneration on the catalyst performance. Reaction Kinetics and Catalysis Letters, 2002, 76, 227-233.	0.6	0
59	Catalytic Hydrogenation of Azide Ion in Process Waste Waters. Topics in Catalysis, 2010, 53, 1153-1155.	1.3	0