

# Reinout Meijboom

## List of Publications by Citations

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216  
papers

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26  
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44  
g-index

229  
ext. papers

3,192  
ext. citations

4.5  
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6.03  
L-index

#	Paper	IF	Citations
216	Synthesis and characterization of Cu, Ag and Au dendrimer-encapsulated nanoparticles and their application in the reduction of 4-nitrophenol to 4-aminophenol. <i>Journal of Colloid and Interface Science</i> , <b>2013</b> , 389, 260-7	9.3	214
215	Preparation of well-defined dendrimer encapsulated ruthenium nanoparticles and their evaluation in the reduction of 4-nitrophenol according to the Langmuir-Hinshelwood approach. <i>Langmuir</i> , <b>2013</b> , 29, 13433-42	4	131
214	Coordination complexes of silver(I) with tertiary phosphine and related ligands. <i>Coordination Chemistry Reviews</i> , <b>2009</b> , 253, 325-342	23.2	121
213	Synthesis and antiplasmodial activity in vitro of new ferrocenechloroquine analogues. <i>Dalton Transactions</i> , <b>2003</b> , 3046-3051	4.3	114
212	Review of supported metal nanoparticles: synthesis methodologies, advantages and application as catalysts. <i>Journal of Materials Science</i> , <b>2020</b> , 55, 6195-6241	4.3	99
211	Catalytic activity of mesoporous cobalt oxides with controlled porosity and crystallite sizes: Evaluation using the reduction of 4-nitrophenol. <i>Applied Catalysis B: Environmental</i> , <b>2016</b> , 198, 74-82	21.8	87
210	Kinetic Evaluation of Dendrimer-Encapsulated Palladium Nanoparticles in the 4-Nitrophenol Reduction Reaction. <i>Journal of Physical Chemistry C</i> , <b>2014</b> , 118, 19849-19858	3.8	83
209	Catalytic evaluation of dendrimer-templated Pd nanoparticles in the reduction of 4-nitrophenol using Langmuir-Hinshelwood kinetics. <i>Applied Surface Science</i> , <b>2014</b> , 320, 400-413	6.7	61
208	Knoevenagel Condensation Reactions Catalysed by Metal-Organic Frameworks. <i>Catalysis Letters</i> , <b>2013</b> , 143, 563-571	2.8	56
207	Promotion effects of alkali- and alkaline earth metals on catalytic activity of mesoporous Co <sub>3</sub> O <sub>4</sub> for 4-nitrophenol reduction. <i>Applied Catalysis B: Environmental</i> , <b>2017</b> , 218, 240-248	21.8	53
206	Synthesis, crystal structure and hydroformylation activity of triphenylphosphite modified cobalt catalysts. <i>Dalton Transactions</i> , <b>2004</b> , 1679-86	4.3	45
205	Catalytic evaluation of mesoporous metal oxides for liquid phase oxidation of styrene. <i>Applied Catalysis A: General</i> , <b>2018</b> , 552, 154-167	5.1	44
204	Evaluation of catalytic activity of Ag and Au dendrimer-encapsulated nanoparticles in the reduction of 4-nitrophenol. <i>Journal of Molecular Catalysis A</i> , <b>2015</b> , 396, 1-7		43
203	Synthesis and catalytic evaluation of dendrimer-templated and reverse microemulsion Pd and Pt nanoparticles in the reduction of 4-nitrophenol: The effect of size and synthetic methodologies. <i>Applied Catalysis A: General</i> , <b>2015</b> , 497, 107-120	5.1	42
202	Efficient and reusable Co/nitrogen doped hollow carbon sphere catalysts for the aerobic oxidation of styrene. <i>Applied Catalysis A: General</i> , <b>2013</b> , 466, 1-8	5.1	38
201	Catalytic evaluation of dendrimer and reverse microemulsion template Pd and Pt nanoparticles for the selective oxidation of styrene using TBHP. <i>Applied Catalysis A: General</i> , <b>2016</b> , 514, 253-266	5.1	37
200	Hydrogenation of biomass-derived levulinic acid to γ-valerolactone catalyzed by mesoporous supported dendrimer-derived Ru and Pt catalysts: An alternative method for the production of renewable biofuels. <i>Applied Catalysis A: General</i> , <b>2018</b> , 550, 77-89	5.1	36

199	Synergistic Effects of Gold-Palladium Nanoalloys and Reducible Supports on the Catalytic Reduction of 4-Nitrophenol. <i>Langmuir</i> , <b>2017</b> , 33, 7086-7095	4	34
198	Catalytic oxidation of methylene blue by dendrimer encapsulated silver and gold nanoparticles. <i>Journal of Molecular Catalysis A</i> , <b>2016</b> , 411, 48-60		33
197	Catalytic activity of palladium and gold dendrimer-encapsulated nanoparticles for methylene blue reduction: A kinetic analysis. <i>Applied Catalysis A: General</i> , <b>2015</b> , 495, 63-71	5.1	32
196	Selective liquid phase oxidation of benzyl alcohol to benzaldehyde by tert-butyl hydroperoxide over $\text{Al}_2\text{O}_3$ supported copper and gold nanoparticles. <i>Applied Surface Science</i> , <b>2017</b> , 398, 19-32	6.7	31
195	Mechanism for the formation of substituted manganese(V) cyanidonitrilo complexes: crystallographic and kinetic study of the substitution reactions of $\text{trans}[\text{MnN}(\text{H}_2\text{O})(\text{CN})_4]^{2-}$ with monodentate pyridine and bidentate pyridine-carboxylate ligands. <i>Inorganic Chemistry</i> , <b>2010</b> , 49, 9599-608	5.1	30
194	Pd on boron-doped hollow carbon spheres [PdO particle size and support effects. <i>Journal of Catalysis</i> , <b>2013</b> , 305, 36-45	7.3	29
193	Dendrimer-templated Pd nanoparticles and Pd nanoparticles synthesized by reverse microemulsions as efficient nanocatalysts for the Heck reaction: A comparative study. <i>Journal of Colloid and Interface Science</i> , <b>2014</b> , 415, 57-69	9.3	28
192	Stabilization of Au NPs on symmetrical tridentate NNN-Pincer ligand grafted on magnetic support as water dispersible and recyclable catalyst for coupling reaction of terminal alkyne. <i>Journal of Catalysis</i> , <b>2017</b> , 356, 255-268	7.3	28
191	Dendrimer Derived Titania-Supported Au Nanoparticles as Potential Catalysts in Styrene Oxidation. <i>Catalysis Letters</i> , <b>2013</b> , 143, 324-332	2.8	26
190	Catalytic Behavior of Different Sizes of Dendrimer-Encapsulated Au(n) Nanoparticles in the Oxidative Degradation of Morin with $\text{H}_2\text{O}_2$ . <i>Langmuir</i> , <b>2015</b> , 31, 9041-53	4	25
189	Kinetic analysis of catalytic oxidation of methylene blue over $\text{Al}_2\text{O}_3$ supported copper nanoparticles. <i>Applied Catalysis A: General</i> , <b>2015</b> , 506, 33-43	5.1	24
188	New iron bis(imino)pyridyl complexes containing dendritic wedges for alkene oligomerisation. <i>Dalton Transactions</i> , <b>2005</b> , 551-5	4.3	24
187	Kinetics of the catalytic oxidation of morin on $\text{Al}_2\text{O}_3$ supported gold nanoparticles and determination of gold nanoparticles surface area and sizes by quantitative ligand adsorption. <i>Applied Catalysis B: Environmental</i> , <b>2016</b> , 199, 142-154	21.8	23
186	Synthesis of gold encapsulated in spherical carbon capsules with a mesoporous shell structure. A robust catalyst in a nanoreactor. <i>Catalysis Communications</i> , <b>2014</b> , 53, 77-82	3.2	23
185	Thermal stability of amine-functionalized MCM-41 in different atmospheres. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2014</b> , 115, 1487-1496	4.1	23
184	Ru(II) Phenanthroline Complex As Catalyst for Chemoselective Hydrogenation of Nitro-Aryls in a Green Process. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2010</b> , 49, 12180-12184	3.9	23
183	"Cat in a bag" recycling of dendrimer encapsulated Au nanoparticles by use of dialysis membrane bag in the reduction of 4-nitrophenol: proof of heterogeneous catalysis. <i>Catalysis Communications</i> , <b>2016</b> , 83, 53-57	3.2	22
182	Synthesis of narrowly dispersed silver and gold nanoparticles and their catalytic evaluation for morin oxidation. <i>Applied Catalysis A: General</i> , <b>2016</b> , 509, 17-29	5.1	21

181	Synthesis and Characterization of Lithiated Dendrimers. <i>Organometallics</i> , <b>2003</b> , 22, 1811-1815	3.8	21
180	The preparation of well-defined dendrimer-encapsulated palladium and platinum nanoparticles and their catalytic evaluation in the oxidation of morin. <i>Applied Surface Science</i> , <b>2015</b> , 357, 1141-1149	6.7	20
179	Kinetic and catalytic analysis of mesoporous Co <sub>3</sub> O <sub>4</sub> on the oxidation of morin. <i>Applied Surface Science</i> , <b>2017</b> , 423, 53-62	6.7	19
178	Palladium Nanoparticles Supported on Mesoporous Silica as Efficient and Recyclable Heterogenous Nanocatalysts for the Suzuki C-C Coupling Reaction. <i>Journal of Cluster Science</i> , <b>2015</b> , 26, 1873-1888	3	18
177	Random alloy nanoparticles of Pd and Au immobilized on reducible metal oxides and their catalytic investigation. <i>Applied Catalysis B: Environmental</i> , <b>2017</b> , 203, 505-514	21.8	18
176	Self-assembly in tetrameric 1:1 silver(I) halide:tri-p-tolylphosphine complexes: An in-depth structural investigation. <i>Inorganica Chimica Acta</i> , <b>2009</b> , 362, 2475-2479	2.7	18
175	Synthesis, Spectroscopy, and Hydroformylation Activity of Sterically Demanding, Phosphite-Modified Cobalt Catalysts. <i>Helvetica Chimica Acta</i> , <b>2005</b> , 88, 676-693	2	18
174	Pt supported nitrogen doped hollow carbon spheres for the catalysed reduction of cinnamaldehyde. <i>Applied Catalysis A: General</i> , <b>2016</b> , 517, 30-38	5.1	17
173	Au and Ag nanoparticles encapsulated within silica nanospheres using dendrimers as dual templating agent and their catalytic activity. <i>Molecular Catalysis</i> , <b>2017</b> , 438, 184-196	3.3	16
172	Noble and Base-Metal Nanoparticles Supported on Mesoporous Metal Oxides: Efficient Catalysts for the Selective Hydrogenation of Levulinic Acid to Valerolactone. <i>Catalysis Letters</i> , <b>2019</b> , 149, 2807-2822	2.8	16
171	Catalytic and kinetic investigation of the encapsulated random alloy (Pd <sub>n</sub> -Au <sub>110-n</sub> ) nanoparticles. <i>Applied Catalysis B: Environmental</i> , <b>2016</b> , 189, 86-98	21.8	16
170	Synthesis, characterisation and in vitro evaluation of platinum(II) and gold(I) iminophosphine complexes for anticancer activity. <i>Polyhedron</i> , <b>2013</b> , 49, 29-35	2.7	16
169	Effect of calcination temperature and MgO crystallite size on MgO/TiO <sub>2</sub> catalyst system for soybean oil transesterification. <i>Catalysis Communications</i> , <b>2013</b> , 34, 52-57	3.2	15
168	The induction of cell death by phosphine silver(I) thiocyanate complexes in SNO-esophageal cancer cells. <i>BioMetals</i> , <b>2015</b> , 28, 219-28	3.4	15
167	Determination of the surface area and sizes of supported copper nanoparticles through organothiol adsorption/chemisorption. <i>Applied Surface Science</i> , <b>2016</b> , 390, 224-235	6.7	15
166	Effective Catalytic Reduction of Methyl Orange Catalyzed by the Encapsulated Random Alloy Palladium-Gold Nanoparticles Dendrimer.. <i>ChemistrySelect</i> , <b>2017</b> , 2, 9803-9809	1.8	14
165	Revisiting kinetics of morin oxidation: Surface kinetics analysis. <i>Applied Surface Science</i> , <b>2017</b> , 426, 497-503	3.2	14
164	Preparation of well-defined dendrimer encapsulated ruthenium nanoparticles and their application as catalyst and enhancement of activity when utilised as SCILL catalysts in the hydrogenation of citral. <i>Catalysis Communications</i> , <b>2014</b> , 57, 148-152	3.2	14

163	Effect of alkali and alkaline earth metal dopants on catalytic activity of mesoporous cobalt oxide evaluated using a model reaction. <i>Applied Catalysis A: General</i> , <b>2018</b> , 555, 189-195	5.1	13
162	The ability of silver(I) thiocyanate 4-methoxyphenyl phosphine to induce apoptotic cell death in esophageal cancer cells is correlated to mitochondrial perturbations. <i>BioMetals</i> , <b>2018</b> , 31, 189-202	3.4	13
161	Inorganic Perovskite-Induced Synergy on Highly Selective Pd-Catalyzed Hydrogenation of Cinnamaldehyde. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 32994-33005	9.5	13
160	Homemade 3-D printed flow reactors for heterogeneous catalysis. <i>Chemical Engineering Research and Design</i> , <b>2019</b> , 150, 116-129	5.5	13
159	A new technique for the rapid characterization of catalysts: Tandem micro-reactor-gas chromatography/mass spectrometry. <i>Environmental Progress and Sustainable Energy</i> , <b>2014</b> , 33, 688-692	2.5	13
158	Well-defined dendrimer encapsulated ruthenium SCILL catalysts for partial hydrogenation of toluene in liquid-phase. <i>Journal of Molecular Catalysis A</i> , <b>2016</b> , 421, 156-160		13
157	Isothermic adsorption of morin onto the reducible mesoporous manganese oxide materials surface. <i>Applied Catalysis B: Environmental</i> , <b>2018</b> , 224, 928-939	21.8	13
156	Excellent product selectivity towards 2-phenyl-acetaldehyde and styrene oxide using manganese oxide and cobalt oxide NPs for the selective oxidation of styrene. <i>Applied Catalysis A: General</i> , <b>2018</b> , 559, 175-186	5.1	12
155	Synthesis and characterisation of dialkyltin 2,3-bis(diphenylphosphino)maleic acid adducts. <i>Journal of Organometallic Chemistry</i> , <b>2006</b> , 691, 717-725	2.3	12
154	A crystallographic and DFT study on Vaska-type trans-[Rh(CO)Cl(PR <sub>3</sub> ) <sub>2</sub> ] complexes containing flexible ligands: The molecular structure of trans-[Rh(CO)Cl{P(OC <sub>6</sub> H <sub>5</sub> ) <sub>3</sub> } <sub>2</sub> ]. <i>Journal of Organometallic Chemistry</i> , <b>2006</b> , 691, 5782-5789	2.3	12
153	New palladium diimine complexes containing dendritic wedges for ethene oligomerisation. <i>Inorganica Chimica Acta</i> , <b>2005</b> , 358, 3491-3496	2.7	12
152	The effect of 1:2 Ag(I) thiocyanate complexes in MCF-7 breast cancer cells. <i>BioMetals</i> , <b>2015</b> , 28, 765-81	3.4	11
151	Confinement effect of rhodium(I) complex species on mesoporous MCM-41 and SBA-15: effect of pore size on the hydroformylation of 1-octene. <i>Journal of Porous Materials</i> , <b>2018</b> , 25, 303-320	2.4	11
150	Thermal stability of Ti-MCM-41. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2014</b> , 117, 701-710	4.1	11
149	A Review of Dendrimer-Encapsulated Metal Nanocatalysts Applied in the Fine Chemical Transformations. <i>Catalysis Letters</i> , <b>2019</b> , 149, 84-99	2.8	11
148	3-D printed microreactor for continuous flow oxidation of a flavonoid. <i>Journal of Flow Chemistry</i> , <b>2020</b> , 10, 517-531	3.3	10
147	The effect of recrystallization time on pore size and surface area of mesoporous SBA-15. <i>Journal of Sol-Gel Science and Technology</i> , <b>2013</b> , 68, 270-277	2.3	10
146	Characterization of [Rh(PhCOCHCOCH <sub>2</sub> CH <sub>2</sub> CH <sub>3</sub> )(CO) <sub>2</sub> ] by X-ray crystallography, a computational and a statistical study. <i>Polyhedron</i> , <b>2011</b> , 30, 660-665	2.7	10

145	Tertiary phosphine induced migratory carbonyl insertion in cyclopentadienyl complexes of iron(II). <i>Journal of Organometallic Chemistry</i> , <b>2005</b> , 690, 4159-4167	2.3	10
144	Monolith catalyst design via 3D printing: a reusable support for modern palladium-catalyzed cross-coupling reactions. <i>New Journal of Chemistry</i> , <b>2020</b> , 44, 18867-18878	3.6	10
143	Tailoring the surface properties of meso-CeO <sub>2</sub> for selective oxidation of benzyl alcohol. <i>Catalysis Communications</i> , <b>2020</b> , 145, 106115	3.2	10
142	Catalytic activity of different sizes of Pt/Co <sub>3</sub> O <sub>4</sub> in the oxidative degradation of Methylene Blue with H <sub>2</sub> O <sub>2</sub> . <i>Applied Surface Science</i> , <b>2019</b> , 467-468, 868-880	6.7	10
141	FulveneRuthenium and CpRuthenium Complexes via [2 + 2 + 1] Cyclotrimerization of Phenylacetylene with [RuCl(Tp)(1,5-cod)]. <i>Organometallics</i> , <b>2014</b> , 33, 5983-5989	3.8	9
140	Di- $\mu$ -thiocyanato-bis[bis(tri-p-tolylphosphine)silver(I)] acetonitrile disolvate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2007</b> , 63, m3076-m3077		9
139	Hydrozirconation of first-generation allyl-functionalized dendrimers and dendrimer model compounds. <i>Journal of Organometallic Chemistry</i> , <b>2004</b> , 689, 1876-1881	2.3	9
138	Mechanism of fiber/matrix bond and properties of wood polymer composites produced from alkaline-treated Daniella oliveri wood flour. <i>Polymer Composites</i> , <b>2016</b> , 37, 2657-2672	3	8
137	Effects of Daniella oliveri Wood Flour Characteristics on the Processing and Functional Properties of Wood Polymer Composites. <i>Materials and Manufacturing Processes</i> , <b>2016</b> , 31, 1073-1084	4.1	8
136	Anticancer activity of silver(I) cyclohexyldiphenylphosphine complexes toward SNO cancer cells. <i>Journal of Coordination Chemistry</i> , <b>2017</b> , 70, 2644-2658	1.6	8
135	Isomorphism in monomeric 1:3 complexes of silver(I) salts with tri-p-tolylphosphine. <i>Acta Crystallographica Section B: Structural Science</i> , <b>2009</b> , 65, 699-706		8
134	An efficient heterogeneous catalytic system for chemoselective hydrogenation of unsaturated ketones in aqueous medium. <i>Polyhedron</i> , <b>2010</b> , 29, 3262-3268	2.7	8
133	Concomitant polymorphic behavior of di- $\mu$ -thiocyanato- $\kappa^2$ N:S; $\kappa^2$ S:N-bis[bis(tri-p-fluorophenylphosphine- $\kappa^1$ P)silver(I)]. <i>Acta Crystallographica Section B: Structural Science</i> , <b>2010</b> , 66, 69-75		8
132	Chloromethylsilane functionalised dendrimers: synthesis and reactivity. <i>Journal of Organometallic Chemistry</i> , <b>2004</b> , 689, 987-991	2.3	8
131	Selective lithiation and crystal structures of G1-carbosilane dendrimers with dimethoxybenzene functionalities. <i>Journal of Organometallic Chemistry</i> , <b>2004</b> , 689, 1095-1101	2.3	8
130	Adsorption of Cu(II) ions from aqueous solution using pyridine-2,6-dicarboxylic acid crosslinked chitosan as a green biopolymer adsorbent. <i>International Journal of Biological Macromolecules</i> , <b>2020</b> , 165, 2484-2493	7.9	8
129	Eco-friendly synthesis of valuable fuel bio-additives from glycerol. <i>Catalysis Communications</i> , <b>2021</b> , 152, 106287	3.2	8
128	Apoptosis-inducing ability of silver(I) cyanide-phosphines useful for anti-cancer studies. <i>Cytotechnology</i> , <b>2017</b> , 69, 591-600	2.2	7

127	Synthesis and characterisation of silver(I) benzyldiphenylphosphine complexes: Towards the biological evaluation on SNO cells. <i>Inorganica Chimica Acta</i> , <b>2015</b> , 437, 195-200	2.7	7
126	In-Situ generation of surface-active HCo(CO) <sub>y</sub> like intermediate from gold supported on ion-promoted Co <sub>3</sub> O <sub>4</sub> for induced hydroformylation-hydrogenation of alkenes to alcohols. <i>Applied Catalysis A: General</i> , <b>2020</b> , 602, 117735	5.1	7
125	Natural Salep/PEGylated Chitosan Double Layer toward a More Sustainable pH-Responsive Magnetite Nanocarrier for Targeted Delivery of DOX and Hyperthermia Application. <i>ACS Applied Nano Materials</i> , <b>2019</b> , 2, 853-866	5.6	7
124	Synthesis of silver(I) p-substituted phenyl diphenyl phosphine complexes with the evaluation of the toxicity on a SNO cancer cell line. <i>Inorganica Chimica Acta</i> , <b>2016</b> , 453, 443-451	2.7	6
123	Dendrimers as alternative templates and pore-directing agents for the synthesis of micro- and mesoporous materials. <i>Journal of Materials Science</i> , <b>2018</b> , 53, 12663-12678	4.3	6
122	trans-Dichlorido-bis-[tris(4-meth-oxy-phenyl)-phosphane]palladium(II) toluene solvate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2010</b> , 66, m1420		6
121	Heterogenized Ru(II) phenanthroline complex for chemoselective hydrogenation of diketones under biphasic aqueous medium. <i>Journal of Molecular Catalysis A</i> , <b>2010</b> , 333, 114-120		6
120	Reaction of a bulky phosphite with [Ru <sub>3</sub> (CO) <sub>12</sub> ]: The molecular structure of one of the decomposition products. <i>Inorganica Chimica Acta</i> , <b>2008</b> , 361, 335-340	2.7	6
119	Novel Approach to Multimetal Metallaborane Clusters. Synthesis of Hypoelectronic nido-Cp* <sub>3</sub> IrRu <sub>2</sub> B <sub>5</sub> H <sub>9</sub> from the Reaction of arachno-Cp*IrB <sub>3</sub> H <sub>9</sub> with nido-(Cp*RuH) <sub>2</sub> B <sub>3</sub> H <sub>7</sub> . <i>Organometallics</i> , <b>2006</b> , 25, 2906-2907	3.8	6
118	Di-Iodo-bis[pyridine(tri-p-tolylphosphine)silver(I)]. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2006</b> , 62, m3191-m3193		6
117	A Comparison of the Toxicity of Mono, Bis, Tris and Tetrakis Phosphino Silver Complexes on SNO Esophageal Cancer Cells. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , <b>2018</b> , 18, 394-400	2.2	6
116	Cobalt oxide promoted tin oxide catalysts for highly selective glycerol acetalization reaction. <i>Inorganic Chemistry Communication</i> , <b>2021</b> , 128, 108578	3.1	6
115	Surface properties vs activity of meso-ZrO <sub>2</sub> catalyst in chemoselective Meerwein-Ponndorf-Verley reduction of citral: Effect of calcination temperature. <i>Microporous and Mesoporous Materials</i> , <b>2021</b> , 311, 110693	5.3	6
114	Kinetic and catalytic analysis of mesoporous metal oxides on the oxidation of Rhodamine B. <i>Applied Surface Science</i> , <b>2018</b> , 440, 1130-1142	6.7	5
113	Synthetic Methodologies for Supported Ionic Liquid Materials <b>2014</b> , 75-94		5
112	trans-Dichloridobis[[4-(dimethyl-amino)-phen-yl]diphenyl-phosphane]palladium(II). <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2010</b> , 66, m1463		5
111	cis-Dichloridobis[diphen-yl(4-vinyl-phenyl)phosphane- $\mu$ ]platinum(II). <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2011</b> , 67, m1662		5
110	Tetra-I-iodo-tetrakis[(tri-p-tolylphosphine- $\mu$ )silver(I)]. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2006</b> , 62, m2162-m2164		5

109	Di- $\mu$ -acetato-bis[(tri-p-tolylphosphine)silver(I)]. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2006</b> , 62, m2698-m2700		5
108	Design and fabrication of a monolith catalyst for continuous flow epoxidation of styrene in polypropylene printed flow reactor. <i>Chemical Engineering Research and Design</i> , <b>2020</b> , 159, 395-409	5.5	5
107	Highly tunable selectivity to benzaldehyde over Pd/ZrO <sub>2</sub> catalysts in Oppenauer oxidation of benzyl alcohol using acetone as H-acceptor. <i>Applied Catalysis A: General</i> , <b>2021</b> , 613, 118022	5.1	5
106	Rapid Online Fischer-Tropsch Reaction Monitoring using a Modified Frontier Tandem Micro-Reactor GC/MS System. <i>Environmental Progress and Sustainable Energy</i> , <b>2019</b> , 38, 13079	2.5	4
105	One-pot reductive amination of carbonyl compounds with ammonia via hydrogen borrowing using hydrido- and bis-ammine P,O(Me)-ruthenacycles. <i>Journal of Organometallic Chemistry</i> , <b>2016</b> , 825-826, 139-145	2.3	4
104	Determination of maximum loading capacity of polyamidoamine (PAMAM) dendrimers and evaluation of Cu <sub>55</sub> dendrimer-encapsulated nanoparticles for catalytic activity. <i>International Journal of Chemical Kinetics</i> , <b>2018</b> , 50, 693-704	1.4	4
103	Expanding the synthesis of Stober spheres: towards the synthesis of nano-magnesium oxide and nano-zinc oxide. <i>Journal of Sol-Gel Science and Technology</i> , <b>2013</b> , 66, 91-99	2.3	4
102	Polymorphism in iodotris(tri-p-tolylphosphine)silver(I). <i>Acta Crystallographica Section B: Structural Science</i> , <b>2009</b> , 65, 182-8		4
101	Synthesis and characterization of an unusual equatorially substituted di-manganese compound. The first structural determination of a phosphite compound of type [Mn <sub>2</sub> (CO) <sub>9</sub> P]. <i>Inorganica Chimica Acta</i> , <b>2009</b> , 362, 617-620	2.7	4
100	Dichlorido{N-[2-(diphenyl-phosphanyl)benzyl-iden]isopropyl-amine- $\kappa$ ,P}palladium(II) dimethyl sulfoxide monosolvate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2011</b> , 67, m608-9		4
99	trans-Carbonyl-chloridobis[dicyclo-hex-yl(4-isopropyl-phen-yl)phosphane]rhodium(I) acetone monosolvate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2011</b> , 67, m1286-7		4
98	Dichlorido[2-diphenyl-phosphanyl-N-(pyridin-3-ylmeth-yl)benzyl-idenamine- $\kappa$ ,N]platinum(II). <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2011</b> , 67, m1497		4
97	Kinetics of thermal decomposition and of the reaction with oxygen, ethene and 1-octene of first generation Grubbs catalyst precursor. <i>Polyhedron</i> , <b>2010</b> , 29, 2776-2779	2.7	4
96	Tris(4-fluorophenyl)phosphine selenide. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2007</b> , 63, o4055-o4055		4
95	trans-Dichlorobis(tri-m-tolylphosphine)palladium(II). <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2006</b> , 62, m1603-m1605		4
94	Tetrakis(tri-p-tolylphosphine- $\kappa$ )silver(I) hexafluorophosphate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2006</b> , 62, m3453-m3455		4
93	Di- $\mu$ -thio-cyanato-bis-[bis-(tri-p-tolyl-phosphine)silver(I)] 0.35-hydrate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2010</b> , 66, m451-2		4
92	trans-Dichloridobis[diphen-yl(4-vinyl-phen-yl)phosphane- $\kappa$ ]palladium(II). <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2011</b> , 67, m1663		4



91	CO <sub>2</sub> hydrogenation to liquid hydrocarbons via modified Fischer-Tropsch over alumina-supported cobalt catalysts: Effect of operating temperature, pressure and potassium loading. <i>Journal of CO<sub>2</sub> Utilization</i> , <b>2020</b> , 41, 101268	7.6	4
90	Surface Property-Activity Relations of Co/Sn Oxide Nanocatalysts Evaluated Using a Model Reaction: Surface Characterization Study. <i>Catalysis Letters</i> , <b>2019</b> , 149, 2940-2949	2.8	3
89	Synergistic effect of mesoporous metal oxides and PtO <sub>2</sub> nanoparticles in aerobic oxidation of ethanol and ionic liquid induced acetaldehyde selectivity. <i>Molecular Catalysis</i> , <b>2020</b> , 492, 110978	3.3	3
88	Application of Mesoporous Metal Oxide Immobilized Gold-Palladium Nanoalloys as Catalysts for Ethanol Oxidation. <i>Catalysis Letters</i> , <b>2018</b> , 148, 2957-2966	2.8	3
87	Synthesis, characterisation and in vitro evaluation of palladium(II) iminophosphine complexes for anticancer activity. <i>Transition Metal Chemistry</i> , <b>2013</b> , 38, 165-172	2.1	3
86	trans-Carbonyl-chloridobis[tris-(4-chloro-phen-yl)phosphane]rhodium(I) acetone monosolvate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2010</b> , 66, m1380-1		3
85	trans-Carbonyl-chloridobis[tris(naphthalen-1-yl)-phosphane- <i>P</i> ]rhodium(I) acetone trisolvate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2011</b> , 67, m1438		3
84	Bis(acetonitrile- <i>N</i> )dichlorido[ $\eta$ -cyclo-octa-1,5-diene]ruthenium(II) acetonitrile monosolvate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2011</b> , 67, m1096		3
83	Equilibrium and kinetic studies of reactions of [MnN(H <sub>2</sub> O)(CN) <sub>4</sub> ] <sup>2-</sup> with monodentate ligands and the molecular structure of [MnN(NCS)(CN) <sub>4</sub> ] <sup>3-</sup> . <i>Polyhedron</i> , <b>2010</b> , 29, 470-476	2.7	3
82	Iodotris(tri- <i>p</i> -tolylphosphine)silver(I). <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2007</b> , 63, m78-m79		3
81	Lithiated dimethylaminomethyl ferrocenes and ruthenocenes. <i>Journal of Organometallic Chemistry</i> , <b>2006</b> , 691, 916-920	2.3	3
80	Di-Iodo-tris(tri- <i>p</i> -tolylphosphine)-1 <i>P</i> ,2 <i>P</i> -dicopper(I). <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2006</b> , 62, m3511-m3513		3
79	cis-Bis(benzyl-diphenyl-phosphane- <i>P</i> )dichloridoplatinum(II) dichloro-methane sesquisolvate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2011</b> , 67, m1800		3
78	Bimetallic PdM (M = Co, Ni) catalyzed hydrogenation of nitrobenzene at the water/oil interface in a Pickering emulsion. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2021</b> , 619, 126513	5.1	3
77	Contributing to energy sustainability: a review of mesoporous material supported catalysts for Fischer-Tropsch synthesis. <i>Sustainable Energy and Fuels</i> , <b>2021</b> , 5, 79-107	5.8	3
76	Robotic Catalysis: A High-Throughput Method for Miniature Screening of Mesoporous Metal Oxides**. <i>Chemistry Methods</i> , <b>2021</b> , 1, 192-200		3
75	Synthesis of new ruthenium(II) complexes derived from labile nitrile ligands: an alternative route to the preparation of trans-dichlorotetrakis(diphenylphosphine)ruthenium(II). <i>Journal of Coordination Chemistry</i> , <b>2017</b> , 70, 1260-1269	1.6	2
74	The dominant steric effect in the synthesis of ammine hydrido- and chlorido-Ru(II)-N,N-dimethylhydrazine and mixed alkyl-aryl phosphine complexes: Novel methyl diazene reduction intermediates. <i>Inorganica Chimica Acta</i> , <b>2015</b> , 437, 133-142	2.7	2

73	Synthesis and Antimicrobial Activity of New Schiff Base Compounds Containing 2-Hydroxy-4-pentadecylbenzaldehyde Moiety. <i>Advances in Chemistry</i> , <b>2014</b> , 2014, 1-9		2
72	Reduction of 4-Nitrophenol as a Model Reaction for Nanocatalysis <b>2014</b> , 333-405		2
71	Bis(dicyclo-hexyl-phenyl-phosphine)silver(I) nitrate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2010</b> , 66, m503-4		2
70	1,4-Bis[(2-pyridyl-eth-yl)imino-meth-yl]benzene. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2011</b> , 67, o921		2
69	2-(Thio-phen-2-yl)-N-(4-((E)-[2-(thio-phen-2-yl)eth-yl]imino-meth-yl)benzyl-idene)ethanamine. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2011</b> , 67, o922		2
68	Dichlorido{N-[2-(diphenylphosphanyl)benzylidene]-2,6-diisopropylaniline- $\kappa$ N}platinum(II). <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2011</b> , 67, m1496		2
67	trans-Dichloridobis[dicyclo-hex-yl(phen-yl)phosphane- $\kappa$ ]palladium(II). <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2012</b> , 68, m404		2
66	Acetatotris(triphenylarsine)silver(I) acetonitrile solvate monohydrate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2007</b> , 63, m2572-m2572		2
65	Bis[bis(diphenylphosphino)ethane]rhodium(I) tetraphenylborate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2006</b> , 62, m101-m102		2
64	Di- $\kappa$ -chloro-bis[(benzylidiphenylphosphine)chloropalladium(II)]. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2006</b> , 62, m897-m899		2
63	trans-Carbonylchlorobis[tris(2-methylphenyl)phosphito]rhodium(I). <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2004</b> , 60, m1071-m1073		2
62	trans-Carbonylchlorobis[tris(pentafluorophenyl)phosphine]rhodium(I). <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2005</b> , 61, m1283-m1285		2
61	Fischer-Tropsch Synthesis over Unpromoted Co/ $\gamma$ -Al <sub>2</sub> O <sub>3</sub> Catalyst: Effect of Activation with CO Compared to H <sub>2</sub> on Catalyst Performance. <i>Bulletin of Chemical Reaction Engineering and Catalysis</i> , <b>2019</b> , 14, 35	1.7	2
60	Stable and Surface-active Co Nanoparticles Formed from Cation (x) Promoted Au/x-Co <sub>3</sub> O <sub>4</sub> (x=C <sub>s</sub> ) as Selective Catalyst for [2+2+1] Cyclization Reactions. <i>ChemCatChem</i> , <b>2021</b> , 13, 1311-1316	5.2	2
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58	Heterogeneous Ru Catalysts as the Emerging Potential Superior Catalysts in the Selective Hydrogenation of Bio-Derived Levulinic Acid to $\gamma$ -Valerolactone: Effect of Particle Size, Solvent, and Support on Activity, Stability, and Selectivity. <i>Catalysts</i> , <b>2021</b> , 11, 292	4	2
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56	The Inorganic Perovskite-Catalyzed Transfer Hydrogenation of Cinnamaldehyde Using Glycerol as a Hydrogen Donor. <i>Catalysts</i> , <b>2022</b> , 12, 241	4	2

55	Crystal structure of methyl-2-methyl-4-(2-oxo-2-phenylethyl)-5-phenyl-1H-pyrrole-3-carboxylate, C <sub>21</sub> H <sub>19</sub> NO <sub>3</sub> . <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , <b>2017</b> , 232, 63-65	0.2	1
54	Mesoporous Materials as Potential Absorbents for Water Purification <b>2014</b> , 269-284		1
53	Biodiesel Production from Waste Vegetable Oils over MgO/Al <sub>2</sub> O <sub>3</sub> Catalyst. <i>Applied Mechanics and Materials</i> , <b>2014</b> , 492, 350-355	0.3	1
52	(SP-4-2)-Chlorido{N-[2-(diphenyl-phosphanyl)benzylidene]benzyl-amine- <i>P</i> ,N}(methyl)palladium(II). <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2011</b> , 67, m1498		1
51	(Acetyl-acetonato- <i>O</i> , <i>O'</i> )carbon-yl{dicyclo-hex-yl[4-(dimethyl-amino)-phen-yl]phosphane- <i>P</i> }rhodium(I). <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2011</b> , 67, m1874		1
50	Triethyl-ammonium hexa-( <i>P</i> )-acetato- <i>O</i> : <i>O'</i> -diacetato- <i>O</i> -aqua-( <i>B</i> )-oxido-triferrate(III) toluene monosolvate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2011</b> , 67, m1092-3		1
49	(Acetyl-acetonato-( <i>P</i> ) <i>O</i> , <i>O'</i> )carbon-yl[tris-(naphthalen-1-yl)phosphane- <i>P</i> ]rhodium(I) acetone hemisolvate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2012</b> , 68, m394		1
48	1-(Thio-phen-2-yl)-N-(4-{(E)-[(thio-phen-2-yl)methyl]imino-methyl}benzylidene)methanamine. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2012</b> , 68, o3137		1
47	Synthesis and characterization of the substituted products from the reaction of a bulky phosphite with [Os <sub>3</sub> (CO) <sub>12</sub> ]. <i>Journal of Coordination Chemistry</i> , <b>2009</b> , 62, 216-224	1.6	1
46	Asymmetric activation of dialkyl zirconocenes. <i>Journal of Organometallic Chemistry</i> , <b>2010</b> , 695, 2277-2280.	0.3	1
45	A new polymorph of trans-carbonylchlorobis[tris(4-fluorophenyl)phosphine]rhodium(I). <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2006</b> , 62, m1309-m1311		1
44	( <i>B</i> -Benzene)dichloro[tris(2-isopropylphenyl) phosphite]ruthenium(II) dichloromethane solvate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2006</b> , 62, m1866-m1868		1
43	Tetrakis(triphenylarsine)silver(I) hexafluorophosphate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2006</b> , 62, m2567-m2569		1
42	cis-Dichlorobis(tri-2-furylphosphine)palladium(II) dichloromethane hemisolvate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2006</b> , 62, m2642-m2644		1
41	( <i>p</i> -Toluenesulfonato)tris(triphenylarsine)silver(I). <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2006</b> , 62, m3056-m3058		1
40	trans-Carbonylchlorobis[tris(2,6-dimethylphenyl)phosphito]rhodium(I). <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2004</b> , 60, m455-m457		1
39	trans-Carbonylchlorobis(tri- <i>m</i> -tolylphosphino)rhodium(I) dichloromethane solvate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2005</b> , 61, m699-m701		1
38	Carbonyl(8-hydroxyquinolinato)[tris(2,6-dimethylphenyl)phosphite]rhodium(I). <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2005</b> , 61, m1741-m1743		1

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36	Bis(dicyclo-hexyl-phenyl-phosphine)iodido-silver(I) pyridine monosolvate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2009</b> , 65, m1344		1
35	Nanocasted perovskites as potential catalysts for acetalization of glycerol. <i>Inorganic Chemistry Communication</i> , <b>2021</b> , 133, 108962	3.1	1
34	In situ replacement of Cu-DEN: an approach for preparing a more noble metal nanocatalyst for catalytic use. <i>New Journal of Chemistry</i> , <b>2020</b> , 44, 20322-20333	3.6	1
33	Robotics-assisted high-throughput catalytic investigation of PVP nanoparticles in the oxidation of morin. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2021</b> , 96, 2547-2557	3.5	1
32	Metal-doped mesoporous ZrO <sub>2</sub> catalyzed chemoselective synthesis of allylic alcohols from MeerweinBonndorfVerley reduction of $\alpha$ -unsaturated aldehydes. <i>New Journal of Chemistry</i> , <b>2021</b> , 45, 7878-7892	3.6	1
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29	A Multidimensional Group Testing Approach for the Reagent Optimisation of a Suzuki-Miyaura Coupling Reaction. <i>Catalysis Letters</i> , 1	2.8	0
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27	Continuous-Flow Catalytic Degradation of Hexacyanoferrate Ion through Electron Transfer Induction in a 3D-Printed Flow Reactor. <i>Journal of Materials Engineering and Performance</i> , <b>2021</b> , 30, 4891-4901	1.6	0
26	Bifunctional CsAu/Co <sub>3</sub> O <sub>4</sub> (Basic and Redox)-Catalyzed Oxidative Synthesis of Aromatic Azo Compounds from Anilines. <i>European Journal of Organic Chemistry</i> , <b>2021</b> , 2021, 5063-5073	3.2	0
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23	Crystal Structure of (Cycloocta-1,5-diene)tris(hydrazine)hydrido-ruthenium(II) tetraphenylborate. <i>X-ray Structure Analysis Online</i> , <b>2012</b> , 28, 29-30	0.2	
22	5-Pentadecyl-2-((p-tolylimino)methyl)phenol. <i>MolBank</i> , <b>2013</b> , 2013, M804	0.5	
21	4-[(2-Hydroxy-4-pentadecyl-benzylidene)-amino]-benzoic Acid Methyl Ester. <i>MolBank</i> , <b>2013</b> , 2013, M810	0.5	
20	Synthesis and characterization of [Ru <sub>3</sub> (CO) <sub>12</sub> (L) <sub>n</sub> ] (L = P(OiPr) <sub>3</sub> ; n = 1, 2, 3) and the Star of David disorder in bis- and tris-substituted products. <i>Journal of Coordination Chemistry</i> , <b>2010</b> , 63, 79-89	1.6	

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