Roderick C Jones

List of Publications by Year
in descending order

37 papers	551 citations	623734 14 h-index	642732 23 g-index
40 all docs	40 docs citations	40 times ranked	710 citing authors

#	Article	IF	Citations
1	Palladium-mediated organic synthesis using porous polymer monolith formed in situ as a continuous catalyst support structure for application in microfluidic devices. Tetrahedron, 2009, 65, 1450-1454.	1.9	74
2	Binuclear Intermediates in Oxidation Reactions: [(Me3SiCâ‰¡C)Me2(bipy)Ptâ^'PtMe2(bipy)]+ in the Oxidation of PtIIMe2(bipy) (bipy = 2,2â€²-Bipyridine) by IPh(Câ‰¡CSiMe3)(OTf) (OTf = Triflate). Journal of the American Chemical Society, 2009, 131, 7236-7237.	13.7	43
3	Supported palladium catalysis using a heteroleptic 2-methylthiomethylpyridineâ€"N,Sâ€"donor motif for Mizorokiâ€"Heck and Suzukiâ€"Miyaura coupling, including continuous organic monolith in capillary microscale flow-through mode. Tetrahedron, 2009, 65, 7474-7481.	1.9	42
4	Stereoselective Peterson Olefinations from Benchâ€Stable Reagents and Nâ€Phenyl Imines. Chemistry - A European Journal, 2015, 21, 8737-8740.	3.3	35
5	Characterization of Tetra-aryl Benzene Isomers by Using Preparative Gas Chromatography with Mass Spectrometry, Nuclear Magnetic Resonance Spectroscopy, and X-ray Crystallographic Methods. Analytical Chemistry, 2010, 82, 4501-4509.	6.5	34
6	Solution, Structural and Catalytic Studies of Neutral MCl2 (M = Pd, Pt) Complexes of the N/E Mixed-Donor Ligands 2-(RECH2)C5H4N(RE = MeS, PhS, MeSe). European Journal of Inorganic Chemistry, 2005, 2005, 1048-1055.	2.0	26
7	Synthesis and structure of dichloropalladium(II) complexes of heteroleptic N,S- and N,Se-donor ligands based on the 2-organochalcogenomethylpyridine motif, and Mizorokiâ€"Heck catalysis mediated by complexes of N,S-donor ligands. Inorganica Chimica Acta, 2010, 363, 77-87.	2.4	26
8	Synthesis and Reactivity of (Î·¹-Alkynyl)diorganoplatinum(IV) Species, Including Structural Studies of PtIMe(p-Tol)(Câ‰¡CSiMe₃)(dmpe) [dmpe = 1,2-bis(dimethylphosphino)ethane] and the Platinum(II) Reagent PtPh₂(dmpe). Organometallics, 2008, 27, 3203-3209.	2.3	25
9	Synthesis and Phytotoxicity of Structural Analogues of Thaxtomin Natural Products. Australian Journal of Chemistry, 2010, 63, 813.	0.9	21
10	Synthesis of Trisubstituted Alkenes via Direct Oxidative Areneâ€"Alkene Coupling. Journal of Organic Chemistry, 2013, 78, 8044-8053.	3.2	21
11	Exploiting the Continuous in situ Generation of Mesyl Azide for Use in a Telescoped Process. European Journal of Organic Chemistry, 2017, 2017, 6533-6539.	2.4	21
12	Pre-catalyst resting states: a kinetic, thermodynamic and quantum mechanical analyses of [PdCl2(2-oxazoline)2] complexes. Dalton Transactions, 2008, , 3115.	3.3	19
13	Synthetic and computational studies of the palladium(iv) system Pd(alkyl)(aryl)(alkynyl)(bidentate)(triflate) exhibiting selectivity in Câ€"C reductive elimination. Dalton Transactions, 2012, 41, 11820.	3.3	19
14	Structural Chemistry of [MX2(bipy)] (M=Pd, Pt; X=Cl, Br, I): the Yellow Polymorph of Dichlorido(2,2'-bipyridine)platinum(II) and Diiodido(2,2'-bipyridine)palladium(II), and Overview of this System. Australian Journal of Chemistry, 2011, 64, 1355.	0.9	16
15	Diastereomeric salt crystallization of chiral molecules <scp>v</scp>ia sequential coupledâ€<scp>B</scp>atch operation. AICHE Journal, 2019, 65, 604-616.	3.6	14
16	Experimental and Modeling Studies on the Solubility of 2-Chloro-N-(4-methylphenyl)propanamide (S1) in Binary Ethyl Acetate + Hexane, Toluene + Hexane, Acetone + Hexane, and Butanone + Hexane Solvent Mixtures Using Polythermal Method. Journal of Chemical & Engineering Data, 2017, 62, 3193-3205.	1.9	13
17	Oxazoles revisited: On the nature of binding of benzoxazole and 2-methylbenzoxazole with the zinc and palladium halides. Dalton Transactions, 2011, 40, 1594.	3.3	11
18	Tautomerism and metal complexation of 2-acylmethyl-2-oxazolines: a combined synthetic, spectroscopic, crystallographic and theoretical treatment. Organic and Biomolecular Chemistry, 2013, 11, 3484.	2.8	11

#	Article	IF	Citations
19	Resolution via Diastereomeric Salt Crystallization of Ibuprofen Lysine: Ternary Phase Diagram Studies. Chemical Engineering and Technology, 2018, 41, 921-927.	1.5	11
20	Synthesis and solid-state structural characterisation of Pt(II,IV) bromide complexes containing bidentate organothiomethylpyridine heteroleptic ligands. Polyhedron, 2007, 26, 708-718.	2.2	10
21	A new mechanistic pathway under Sonogashira reaction protocol involving multiple acetylene insertions. Dalton Transactions, 2010, 39, 3799.	3.3	8
22	The Crystal and Molecular Structure of (2Z)-2-[3-(4-Methoxybenzoyl)-4,4-dimethyl-1,2-oxazolidin-2-ylidene]-1-(4-methoxyphenyl)ethanone. Crystals, 2011, 1, 229-235.	2.2	6
23	Structural chemistry of dihalogenopalladium(II) and platinum(II) complexes of heteroleptic N,S- and N,Se-donor ligands based on the 2-organochalcogenomethylpyridine motif. Inorganica Chimica Acta, 2011, 376, 290-295.	2.4	6
24	Carbonâ€“carbon and carbonâ€“chlorine bond formation on reaction of iodine(III) reagents with the bis(alkynyl)palladium(II) motif, and structural chemistry of trans-Pd(C C-o-Tol)2(PMe2Ph)2] and trans-[PdCl(C C-o-Tol)(PMe2Ph)2]. Journal of Organometallic Chemistry, 2011, 696, 1441-1444.	1.8	6
25	Bis{2-[(3,5-diphenyl-1H-pyrrol-2-ylidene-Î²N)amino]-3,5-diphenylpyrrol-1-ido-Î²N}palladium(II): a homoleptic four-coordinate tetraphenylazadipyrromethene complex of palladium. Acta Crystallographica Section C, Structural Chemistry, 2014, 70, 165-168.	0.5	6
26	Methyl 4-p-tolyl-1H-pyrrole-2-carboxylate. Acta Crystallographica Section E: Structure Reports Online, 2007, 63, o470-o471.	0.2	5
27	Development of a continuous evaporation system for an API solution stream prior to crystallization. AICHE Journal, 2021, 67, e17377.	3.6	5
28	Sieving polymer synthesis by reversible addition fragmentation chain transfer polymerization. Electrophoresis, 2013, 34, 3189-3197.	2.4	4
29	Low-temperature evaporation of continuous pharmaceutical process streams in a bubble column. Chemical Engineering Research and Design, 2021, 166, 74-85.	5.6	4
30	Controlling reactivity in the Fujiwaraâ€“Moritani reaction: Examining solvent effects and the addition of 1,3-dicarbonyl ligands on the oxidative coupling of electron rich arenes and acrylates. Tetrahedron Letters, 2020, 61, 151471.	1.4	3
31	Structure of 2-chloro-N-(p-tolyl)propanamide. Acta Crystallographica Section E: Crystallographic Communications, 2018, 74, 1584-1588.	0.5	2
32	Binary Solvent Swap Processing in a Bubble Column in Batch and Continuous Modes. Organic Process Research and Development, 2022, 26, 1191-1201.	2.7	2
33	Synthesis and structural studies of dicationic Pd(II) and Pt(II) complexes of 2-(alkylchalcogenomethyl)pyridines, [M{NC5H4-2-(CH2ER)}2][PF6]2. Polyhedron, 2018, 156, 291-296.	2.2	1
34	Design and Optimization of the Single-Stage Continuous Mixed Suspensionâ€“Mixed Product Removal Crystallization of 2-Chloro-N-(4-methylphenyl)propenamide. ACS Omega, 2022, 7, 13676-13686.	3.5	1
35	Methyl 4-chloro-3,5-di-p-tolyl-1H-pyrrole-2-carboxylate dichloromethane hemisolvate. Acta Crystallographica Section E: Structure Reports Online, 2007, 63, o197-o199.	0.2	0
36	(RS)-2-(3,4-Methylenedioxyphenyl)-5-phenyl-3,6-dihydro-2H-pyran. Acta Crystallographica Section E: Structure Reports Online, 2007, 63, o955-o957.	0.2	0

#	Article	IF	Citations
37	Stereoselective Peterson Olefinations from Bench-Stable Reagents andN-Phenyl Imines. Chemistry - A European Journal, 2015, 21, 8645-8645.	3.3	0