

Nicholas H Rees

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Zirconium Complexes of Diamine-Bis(phenolate) Ligands: Synthesis, Structures, and Solution Dynamics. <i>Organometallics</i> , 2002, 21, 1367-1382.	2.3	83
2	Highly Selective and Solvent-Dependent Reduction of Nitrobenzene to <i>p</i> -Phenylhydroxylamine, Azoxybenzene, and Aniline Catalyzed by Phosphino-Modified Polymer Immobilized Ionic Liquid-Stabilized AuNPs. <i>ACS Catalysis</i> , 2019, 9, 4777-4791.	11.2	77
3	Surprising diversity of non-classical silicon-hydrogen interactions in half-sandwich complexes of Nb and Ta: M-H \cdots Si-Cl interligand hypervalent interaction (IHI) versus stretched and unstretched σ -Si-H \cdots M 2.3 agostic bonding. <i>Dalton Transactions RSC</i> , 2001, , 2903-2915.		67
4	A Rhodium-Pentane Sigma-Alkane Complex: Characterization in the Solid State by Experimental and Computational Techniques. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 3677-3681.	13.8	48
5	Solid-state molecular organometallic chemistry. Single-crystal to single-crystal reactivity and catalysis with light hydrocarbon substrates. <i>Chemical Science</i> , 2017, 8, 6014-6029.	7.4	44
6	Flexible and Versatile Pincer-Type PGeP and PSnP Ligand Frameworks. <i>Organometallics</i> , 2018, 37, 4147-4155.	2.3	43
7	Selective C-H Activation at a Molecular Rhodium Sigma-Alkane Complex by Solid/Gas Single-Crystal to Single-Crystal H/D Exchange. <i>Journal of the American Chemical Society</i> , 2016, 138, 13369-13378.	13.7	42
8	Core-shell zeolite@aqueous miscible organic-layered double hydroxides. <i>Chemical Science</i> , 2016, 7, 1457-1461.	7.4	41
9	Hydrogen cleavage by solid-phase frustrated Lewis pairs. <i>Chemical Communications</i> , 2016, 52, 10478-10481.	4.1	40
10	Room Temperature Acceptorless Alkane Dehydrogenation from Molecular σ -Alkane Complexes. <i>Journal of the American Chemical Society</i> , 2019, 141, 11700-11712.	13.7	37
11	Palladium(ii) complexes with the bidentate iminophosphine ligand [Ph ₂ PCH ₂ C(Ph) \bar{A} ,-N(2,6-Me ₂ C ₆ H ₃)]. <i>Dalton Transactions RSC</i> , 2001, , 3384-3395.	2.3	35
12	Synthesis and Characterization of Solid Polymethylaluminumoxane: A Bifunctional Activator and Support for Slurry-Phase Ethylene Polymerization. <i>Chemistry of Materials</i> , 2016, 28, 7444-7450.	6.7	34
13	Modulation of σ -Alkane Interactions in [Rh(L ₂)(alkane)] ⁺ Solid-State Molecular Organometallic (SMOM) Systems by Variation of the Chelating Phosphine and Alkane: Access to σ -Alkane Rh(I), σ -Alkane Rh(III) Complexes, and Alkane Encapsulation. <i>Journal of the American Chemical Society</i> , 2018, 140, 14958-14970.	13.7	34
14	Substituent effects on fluoride binding by lanthanide complexes of DOTA-tetraamides. <i>Dalton Transactions</i> , 2016, 45, 3070-3077.	3.3	28
15	Formation of a σ -alkane Complex and a Molecular Rearrangement in the Solid-State: [Rh(Cyp ₂ PCH ₂ CH ₂ PCyp ₂)(σ -C ₇ H ₇)]. <i>Organometallics</i> , 2017, 36, 22-25.		
16	The radical SAM enzyme Viperin catalyzes reductive addition of a 5'-deoxyadenosyl radical to UDP-glucose <i>in vitro</i> . <i>FEBS Letters</i> , 2017, 591, 2394-2405.	2.8	27
17	Synthesis and reactivity of rare-earth metal phosphoethynolates. <i>Dalton Transactions</i> , 2018, 47, 13016-13024.	3.3	27
18	Toward the Understanding of Modulation in Molecular Materials: Barluenga's Reagent and its Analogues.. <i>Crystal Growth and Design</i> , 2014, 14, 6294-6301.	3.0	19

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19	Slurry-Phase Ethylene Polymerization Using Pentafluorophenyl- and Pentafluorophenoxy-Modified Solid Polymethylaluminoxanes. <i>Organometallics</i> , 2018, 37, 156-164.	2.3	18
20	A Series of Crystallographically Characterized Linear and Branched η^f -Alkane Complexes of Rhodium: From Propane to 3-Methylpentane. <i>Journal of the American Chemical Society</i> , 2021, 143, 5106-5120.	13.7	16
21	New group 10 complexes of the bulky iminophosphine ligands [Ph ₂ PCH ₂ C(Ph) η^N (2,6-R ₂ C ₆ H ₃)], where R = Me, iPr. <i>New Journal of Chemistry</i> , 2005, 29, 385-397.	2.8	15
22	Reversible Encapsulation of Xenon and CH ₂ Cl ₂ in a Solid-State Molecular Organometallic Framework (Guest@SMOM). <i>Angewandte Chemie - International Edition</i> , 2019, 58, 16873-16877.	13.8	15
23	Controlling Structure and Reactivity in Cationic Solid-State Molecular Organometallic Systems Using Anion Templating. <i>Organometallics</i> , 2018, 37, 3524-3532.	2.3	14
24	Local probes show that framework modification in zeolites occurs on ammonium exchange without calcination. <i>Journal of Materials Chemistry A</i> , 2013, 1, 7415.	10.3	13
25	A Rhodium η^5 -Pentane Sigma η^5 -Alkane Complex: Characterization in the Solid State by Experimental and Computational Techniques. <i>Angewandte Chemie</i> , 2016, 128, 3741-3745.	2.0	11
26	Physicochemical surface-structure studies of highly active zirconocene polymerisation catalysts on solid polymethylaluminoxane activating supports. <i>Materials Chemistry Frontiers</i> , 2020, 4, 3226-3233.	5.9	8
27	Controlling Oxidative Addition and Reductive Elimination at Tin(II) via Hemi η^5 -Lability. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	8
28	Aqueous immiscible layered double hydroxides η^5 - AIM-LDHs. <i>Materials Chemistry Frontiers</i> , 2018, 2, 2277-2285.	5.9	6
29	Highly efficient and selective aqueous phase hydrogenation of aryl ketones, aldehydes, furfural and levulinic acid and its ethyl ester catalyzed by phosphine oxide-decorated polymer immobilized ionic liquid-stabilized ruthenium nanoparticles. <i>Catalysis Science and Technology</i> , 0, , .	4.1	6
30	Rationalizing and Disrupting Fluxional Processes in Agostically Stabilized 14 η^5 -Electron Alkyliridium Hydride Complexes. <i>European Journal of Inorganic Chemistry</i> , 2014, 2014, 4877-4885.	2.0	4
31	Tris(phosphaalkyne)tungsten Complexes. <i>Organometallics</i> , 2019, 38, 4601-4606.	2.3	4
32	Anomalous thermal expansion in one-dimensional transition metal cyanides: Behavior of the trimetallic cyanide $Cu_3(CN)_4$. <i>Journal of Materials Chemistry A</i> , 2019, 7, 10000-10005.	3.2	3
33	Controlling Oxidative Addition and Reductive Elimination at Tin(II) via Hemi η^5 -Lability. <i>Angewandte Chemie</i> , 0, , .	2.0	2
34	Sterically rigid bismuth pincer complexes; observation of the growing polymer chain in polar monomer polymerisation. <i>Dalton Transactions</i> , 2022, 51, 3060-3074.	3.3	2
35	Reversible Encapsulation of Xenon and CH ₂ Cl ₂ in a Solid-State Molecular Organometallic Framework (Guest@SMOM). <i>Angewandte Chemie</i> , 2019, 131, 17029-17033.	2.0	1
36	Intra- and Interchain Interactions in (Cu _{1/2} Au _{1/2}) _n CN, (Ag _{1/2} Au _{1/2}) _n CN, and (Cu _{1/3} Ag _{1/3} Au _{1/3}) _n CN and Their Effect on One-, Two-, and Three-Dimensional Order. <i>Inorganic Chemistry</i> , 2020, 59, 11704-11714.	4.0	1