

Supplementary Materials: Hexacoordinate Silicon Compounds with a Dianionic Tetradentate (N,N',N',N)-Chelating Ligand

Daniela Gerlach, Erica Brendler and Jörg Wagler *

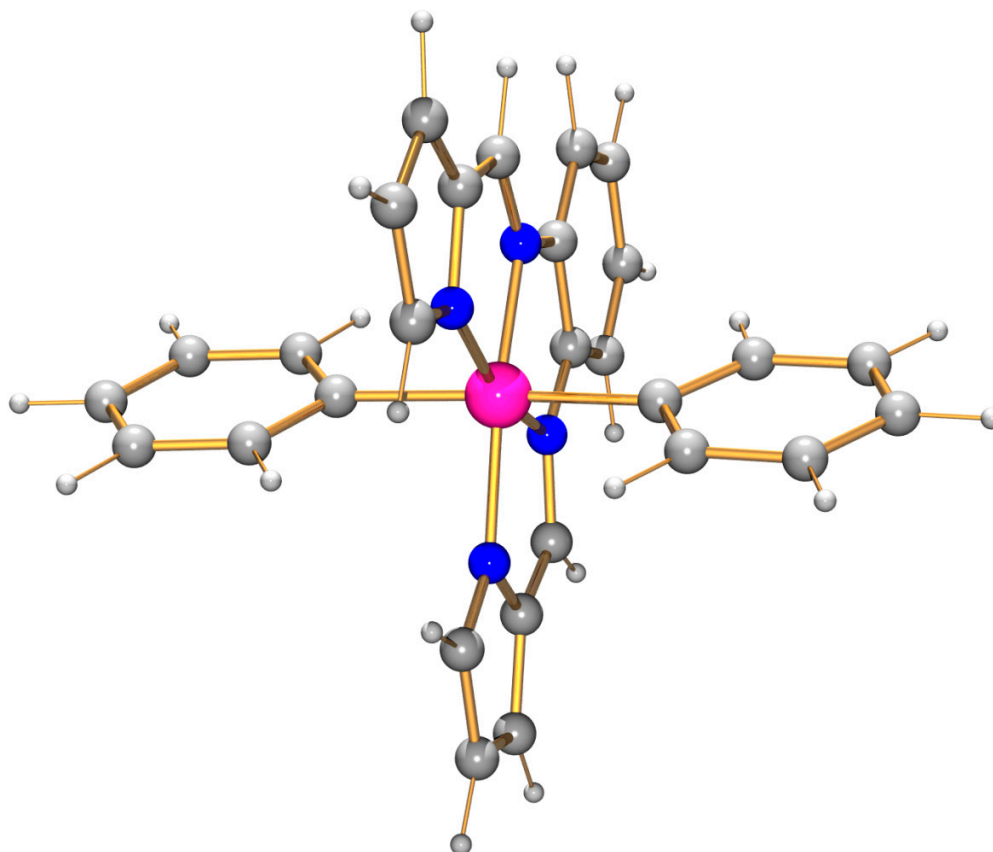


Figure S1. Molecular structure of **LSiPh₂** optimized at the MPW1PW91/6–311G(d,p) level.

Table S1. Cartesian coordinates of the optimized (MPW1PW91/6–311G(d,p)) molecular structure of **LSiPh₂** (55 atoms), $E = -1558.77069689$ Hartree.

H	5.875948	−0.732293	−0.000262
H	4.456530	−2.770199	−0.000031
C	4.795192	−0.647800	−0.000189
C	3.998915	−1.786774	−0.000054
H	4.789699	1.498807	−0.000314
C	4.185486	0.597806	−0.000220
C	2.616060	−1.667769	0.000046
H	2.030586	−2.581309	0.000173
C	2.797031	0.699256	−0.000132
C	1.966805	−0.427261	−0.000004
H	2.369282	1.695531	−0.000161
H	0.010652	−3.626476	−4.062236
H	0.010099	−3.521990	−1.367061
C	0.008014	−2.732367	−3.458822
H	0.010731	−3.626609	4.062189
C	0.007791	−2.688649	−2.053500

H	0.010069	−3.522059	1.367025
C	0.008117	−2.732483	3.458800
H	0.003368	−1.066631	−4.921716
C	0.004301	−1.418520	−3.901740
C	0.007794	−2.688729	2.053480
H	0.003571	−1.066780	4.921732
C	0.004428	−1.418647	3.901748
N	0.004089	−1.426563	−1.621576
N	0.004133	−1.426633	1.621581
C	0.001862	−0.616876	−2.748277
C	0.001985	−0.616974	2.748307
Si	0.000997	−0.347403	0.000015
C	−0.002012	0.761197	2.515082
C	−0.002120	0.761287	−2.515004
H	−0.003982	1.480460	3.328023
H	−0.004157	1.480579	−3.327919
N	−0.003200	1.122439	1.256043
N	−0.003230	1.122485	−1.255951
C	−0.007007	2.396609	0.708258
H	−0.010693	3.613192	2.482811
C	−0.007020	2.396637	−0.708118
C	−0.010636	3.604313	1.400012
C	−0.010654	3.604365	−1.399832
H	−0.010716	3.613282	−2.482630
C	−0.014207	4.799656	0.696493
H	−0.017032	5.737989	1.236972
C	−0.014214	4.799682	−0.696269
H	−2.015929	−2.592861	0.000109
H	−0.017047	5.738035	−1.236712
C	−1.964308	−0.438452	0.000007
C	−2.606536	−1.682628	0.000053
H	−2.378801	1.682010	−0.000098
C	−2.800906	0.683334	−0.000068
C	−3.988694	−1.809471	0.000010
H	−4.440720	−2.795477	0.000047
C	−4.188760	0.574013	−0.000100
C	−4.791407	−0.675022	−0.000062
H	−4.798072	1.471575	−0.000155
H	−5.871669	−0.765626	−0.000092

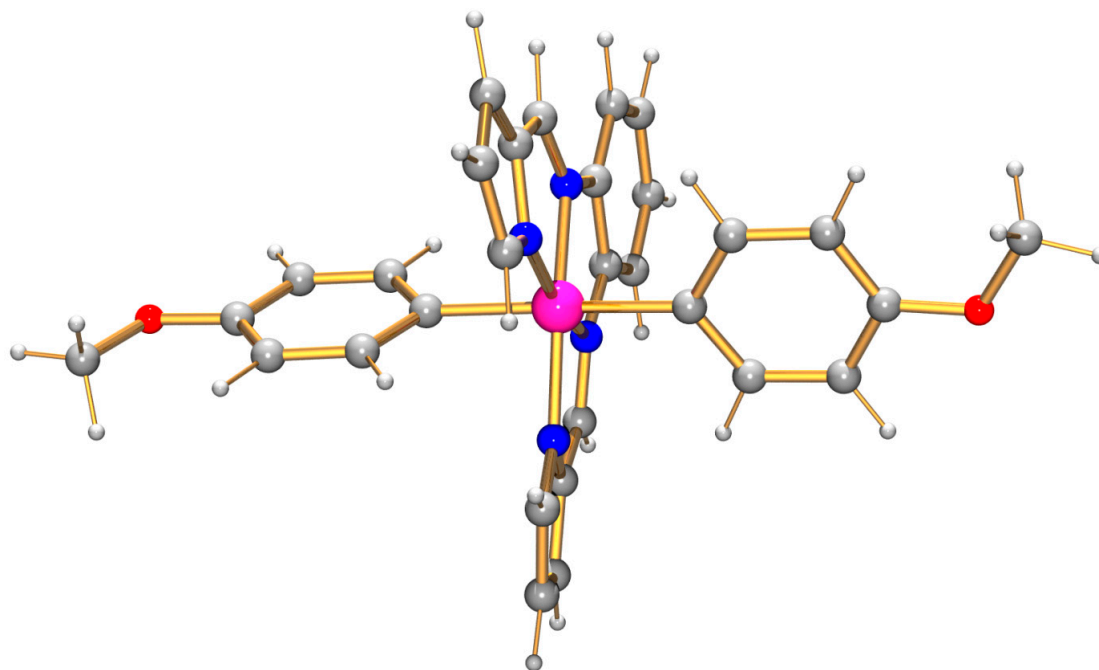


Figure S2. Molecular structure of **LSi(Anis)₂** optimized at the MPW1PW91/6–311G(d,p) level.

Table S2. Cartesian coordinates of the optimized (MPW1PW91/6–311G(d,p)) molecular structure of **LSi(Anis)₂** (63 atoms), $E = -1817.81859329$ Hartree.

H	−1.007894	5.626559	−1.587800
H	−0.902531	5.811870	0.876859
C	−0.809233	4.747372	−0.987646
C	−0.749683	4.851739	0.399979
H	−0.687330	3.444996	−2.686963
C	−0.626008	3.521137	−1.608416
H	−6.824163	−0.347680	−1.406024
C	−0.507054	3.730945	1.179510
H	−7.929167	−1.226117	−0.323289
H	−0.477665	3.817460	2.258600
C	−0.373389	2.388770	−0.839685
C	−6.901467	−1.160850	−0.675787
H	−0.007862	1.346546	−3.387967
C	−0.313754	2.494575	0.570273
H	−6.628314	−2.104485	−1.160853
H	−4.657774	−1.077504	−1.846004
O	−6.112598	−0.914420	0.463209
C	−0.006484	0.676290	−2.533754
N	−0.162312	1.099964	−1.306683
C	−4.112964	−0.889040	−0.930008
C	−4.770458	−0.792396	0.290911
H	−2.264594	−0.846685	−1.955607
C	−2.726892	−0.750511	−0.979988
H	2.137888	2.002901	−0.219900
N	−0.059823	1.287956	1.205129
C	−4.019567	−0.559010	1.441396
H	−4.536716	−0.492146	2.391209
C	−1.938163	−0.512911	0.148691
H	0.332186	−1.306501	−4.804821

C	0.156126	−0.709047	−2.674085
C	−2.644950	−0.425358	1.360064
H	0.281753	1.843510	3.203550
H	4.576894	2.066274	−0.322409
C	2.673735	1.061500	−0.160314
C	0.206257	1.052039	2.464177
H	−2.111423	−0.258974	2.288647
C	0.275227	−1.586153	−3.764155
Si	0.006368	−0.276014	0.055402
C	4.057001	1.120984	−0.220444
N	0.103178	−1.440048	−1.498231
C	1.971492	−0.144994	−0.028823
C	0.378738	−0.297928	2.797946
C	0.285696	−2.867474	−3.229491
N	0.222198	−1.196979	1.754535
C	0.173019	−2.728570	−1.834964
C	4.811492	−0.047343	−0.150717
H	0.361403	−3.799529	−3.767300
C	2.763128	−1.291862	0.038191
O	6.161147	0.102279	−0.217732
C	0.587859	−1.003120	3.994393
H	0.136168	−3.508953	−1.089803
H	0.732371	−0.570923	4.972511
C	4.153423	−1.266788	−0.019889
H	2.293561	−2.265243	0.140973
C	0.316010	−2.420567	2.275674
H	0.211910	−3.303923	1.663656
C	0.547360	−2.349794	3.661020
C	6.953832	−1.058606	−0.152670
H	4.704633	−2.196409	0.037960
H	7.987037	−0.723649	−0.223481
H	6.740605	−1.741215	−0.982705
H	6.813921	−1.591840	0.794152
H	0.662871	−3.191443	4.325783

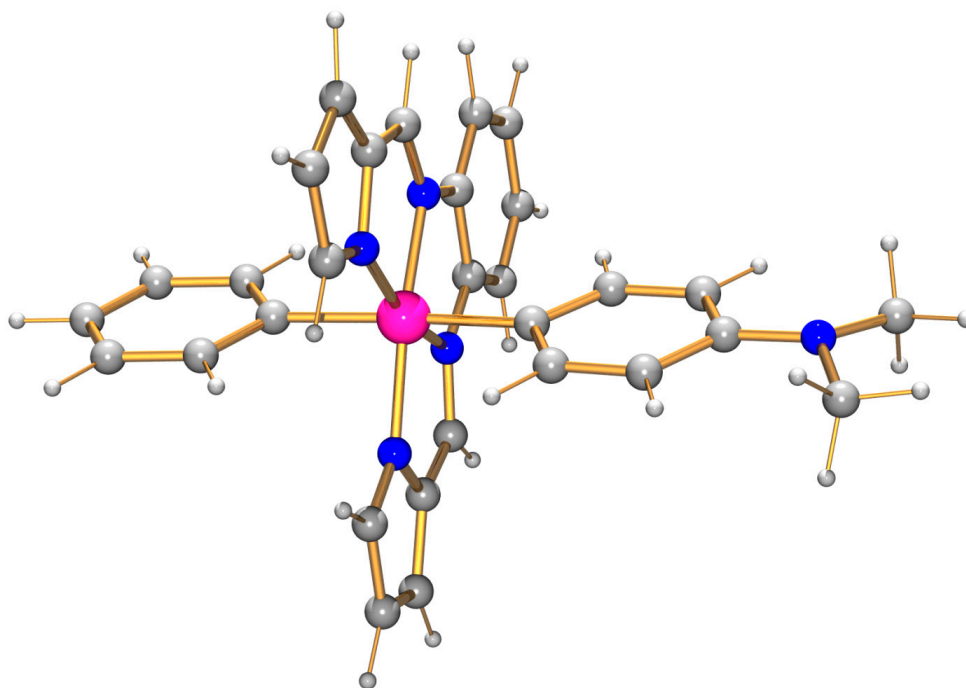


Figure S3. Molecular structure of **LSiPh(*p*-Me₂N-C₆H₄)** optimized at the MPW1PW91/6–311G(d,p) level.

Table S3. Cartesian coordinates of the optimized (MPW1PW91/6–311G(d,p)) molecular structure of **LSiPh(*p*-Me₂N-C₆H₄)** (63 atoms), *E* = −1722.73875481 Hartree.

H	−1.295483	5.707855	1.224860
H	−1.260546	5.705799	−1.248852
C	−1.185268	4.774708	0.686545
C	−1.165555	4.773570	−0.706064
H	−1.080080	3.596732	2.475354
C	−1.064551	3.586884	1.392636
H	5.963248	1.952208	0.654327
C	−1.024882	3.584531	−1.406389
H	−1.009980	3.592453	−2.489141
H	7.352470	1.062102	0.049119
H	3.921391	2.037546	0.071679
C	6.279016	1.201031	−0.074132
H	6.096840	1.607005	−1.080501
C	−0.922575	2.385400	0.704260
H	1.535321	1.946642	0.033183
C	−0.902409	2.384299	−0.712186
C	3.450173	1.063680	0.071350
H	−0.871520	1.477543	3.325989
C	2.062914	0.998996	0.046519
N	5.612333	−0.056312	0.159669
N	−0.789718	1.120140	1.255486
C	−0.774412	0.762132	2.515328
C	4.228793	−0.103041	0.095358
H	7.426062	−1.051002	0.045564
N	−0.754501	1.118055	−1.257494
H	−3.188329	1.406879	−0.040399
H	−0.776091	1.472878	−3.329834
C	6.365240	−1.262633	−0.083726

C	1.351489	-0.204027	0.032231
C	-0.702623	0.758440	-2.515828
H	6.099981	-2.040786	0.636409
C	-0.621999	-0.606586	2.754007
H	6.215537	-1.670549	-1.094592
C	3.533545	-1.324170	0.063140
H	-5.569789	0.928429	-0.072537
C	-3.497253	0.367582	-0.041122
Si	-0.595717	-0.342964	0.002666
H	-0.610966	-1.046277	4.929842
C	2.149409	-1.353091	0.037764
C	-0.551055	-1.399202	3.911954
C	-4.864389	0.104279	-0.059564
H	4.073342	-2.261593	0.056705
C	-2.540588	-0.653517	-0.023666
N	-0.506882	-1.414274	1.631780
C	-0.544273	-0.610780	-2.748078
H	1.682524	-2.333014	0.016225
N	-0.462061	-1.416639	-1.621779
H	-0.474811	-1.054432	-4.922030
C	-5.324176	-1.204032	-0.061236
C	-0.390292	-2.705307	3.476170
C	-0.443417	-1.405612	-3.902253
C	-0.368346	-2.665979	2.070359
C	-3.040564	-1.961409	-0.025552
H	-6.387560	-1.414449	-0.075565
H	-0.298261	-3.591654	4.084115
C	-0.315374	-2.669663	-2.054183
C	-4.399864	-2.241654	-0.043969
H	-2.352770	-2.800584	-0.011758
H	-0.258024	-3.495778	1.388495
C	-0.298079	-2.711408	-3.459917
H	-0.227485	-3.498584	-1.368012
H	-4.738966	-3.272034	-0.044592
H	-0.192022	-3.599148	-4.063534

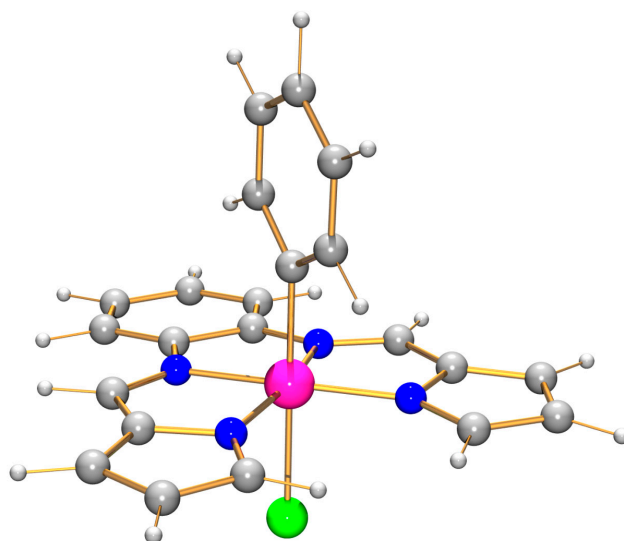


Figure S4. Molecular structure of **LSiPhCl** optimized at the MPW1PW91/6–311G(d,p) level.

Table S4. Cartesian coordinates of the optimized (MPW1PW91/6–311G(d,p)) molecular structure of **LSiPhCl** (45 atoms), $E = -1817.41785613$ Hartree.

H	-1.763719	-0.000368	5.230641
H	-3.514710	-0.000744	3.472106
C	-1.486813	-0.000324	4.182591
C	-2.465759	-0.000488	3.196660
H	0.625979	0.000013	4.565246
C	-0.150769	-0.000072	3.808253
C	-2.102389	-0.000323	1.856529
H	-2.894981	-0.000429	1.114915
H	-3.608707	3.840478	-1.395033
H	-3.609435	-3.839667	-1.395359
C	0.197637	0.000041	2.461269
H	-3.378125	1.156266	-1.314413
C	-2.717550	3.284524	-1.150821
C	-0.764678	-0.000056	1.445256
H	-3.378684	-1.155567	-1.313726
C	-2.612340	1.886377	-1.106555
C	-2.718165	-3.283910	-1.151113
H	1.253364	0.000204	2.212449
C	-2.612822	-1.885772	-1.106457
H	-1.173364	-4.833365	-0.785880
C	-1.465301	3.796805	-0.837789
H	-1.172646	4.833744	-0.785016
C	-1.465948	-3.796388	-0.838342
N	-1.369223	1.526330	-0.775366
N	-1.369548	-1.525904	-0.775712
C	-0.635395	-2.690801	-0.611099
C	-0.635018	2.691091	-0.610225
Si	-0.324450	0.000063	-0.453297
C	0.723118	-2.503823	-0.332418
H	1.416416	-3.330552	-0.223909
C	0.723512	2.503824	-0.331647
N	1.096418	-1.252977	-0.241030
N	1.096693	1.252920	-0.240999
H	1.416908	3.330441	-0.222802
C	2.360127	-0.707114	-0.072811
C	2.360264	0.706783	-0.072721
H	3.563628	-2.483644	0.079220
C	3.555011	-1.400921	0.084028
C	3.555309	1.400331	0.084070
H	3.564132	2.483055	0.079264
C	4.738938	-0.696920	0.242983
C	4.739089	0.696083	0.242993
H	5.669509	-1.236996	0.364294
H	5.669778	1.235951	0.364296
Cl	0.173896	0.000237	-2.692010

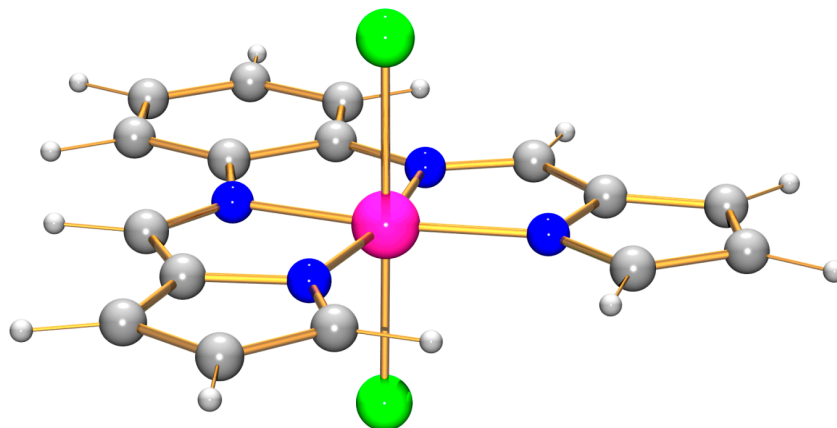


Figure S5. Molecular structure of LSiCl_2 optimized at the MPW1PW91/6–311G(d,p) level.

Table S5. Cartesian coordinates of the optimized (MPW1PW91/6–311G(d,p)) molecular structure of LSiCl_2 (35 atoms), $E = -2046.05922426$ Hartree.

H	-3.932354	3.766252	-0.000159
H	-3.932459	-3.766200	-0.001395
H	-3.642843	1.089550	-0.001347
C	-2.998858	3.226773	-0.000176
H	-3.643013	-1.089535	-0.000128
C	-2.862849	1.832709	-0.000456
C	-2.998969	-3.226715	-0.000400
C	-2.862986	-1.832668	-0.000199
H	-1.438683	-4.804931	0.000457
C	-1.716278	3.762734	0.000408
H	-1.438624	4.805017	0.001117
C	-1.716376	-3.762657	0.000409
N	-1.568238	1.497667	-0.000724
N	-1.568384	-1.497561	0.001663
C	-0.836666	-2.674427	0.001993
C	-0.836540	2.674508	-0.000096
Si	-0.479632	-0.000011	-0.000454
C	0.551780	-2.500423	0.001459
H	1.250612	-3.328604	0.002096
C	0.551900	2.500448	-0.000202
N	0.938934	-1.251210	0.000119
N	0.938987	1.251206	-0.000569
H	1.250792	3.328579	0.000244
C	2.214133	-0.705769	0.000067
C	2.214157	0.705727	-0.000477
H	3.425036	-2.483559	0.000636
C	3.417506	-1.400976	0.000128
C	3.417581	1.400855	-0.000949
H	3.425191	2.483433	-0.001373
C	4.611411	-0.696633	-0.000291
C	4.611444	0.696441	-0.000851
H	5.549898	-1.236385	-0.000238
H	5.549964	1.236153	-0.001317
Cl	-0.455451	-0.001419	-2.227585
Cl	-0.453966	0.001425	2.227711

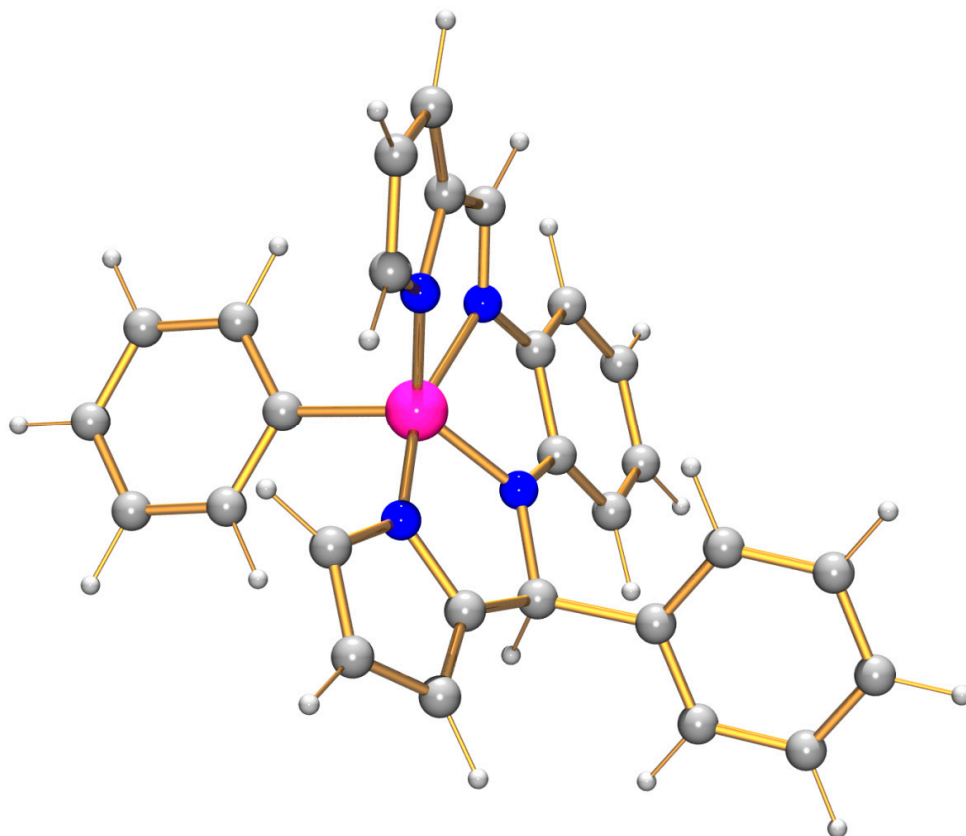


Figure S6. Molecular structure of $L^{\text{Ph}}\text{SiPh}$ optimized at the MPW1PW91/6–311G(d,p) level.

Table S6. Cartesian coordinates of the optimized (MPW1PW91/6–311G(d,p)) molecular structure of $L^{\text{Ph}}\text{SiPh}$ (55 atoms), $E = -1588.82501610$ Hartree.

H	0.711733	5.622790	−0.283202
H	2.488513	4.451290	−1.538010
C	0.738636	4.540938	−0.303837
C	1.733616	3.876902	−1.014089
H	−1.015440	4.307750	0.927556
C	−0.226585	3.807947	0.377200
C	1.786156	2.488023	−1.071311
H	2.580586	1.994880	−1.614990
C	−0.178652	2.425561	0.325636
C	0.820250	1.737918	−0.403093
H	−1.775635	2.504415	2.641311
N	−1.006822	1.507391	0.962004
C	−1.634424	1.576802	2.094394
N	0.713798	0.364548	−0.342939
H	−3.559583	1.121050	0.200321
H	1.788823	−0.264636	−2.029879
C	1.680681	−0.520865	−0.965580
C	−2.022881	0.311310	2.591128
H	−5.364173	1.307069	−1.442809
C	−3.449078	0.623606	−0.756802
Si	−0.859537	−0.300955	0.178331
H	−3.119900	0.404825	4.503396
C	−2.659077	−0.181691	3.723697
C	−4.476639	0.733438	−1.684605

C	-2.294902	-0.117196	-1.032320
N	-1.547500	-0.744562	1.832025
C	1.057895	-1.885731	-0.852379
N	-0.187792	-1.921004	-0.274900
H	2.340609	-3.429804	-1.733387
C	-4.365142	0.111559	-2.921901
C	-2.567868	-1.578436	3.649354
C	1.413426	-3.147138	-1.259914
C	-1.879006	-1.884079	2.482091
C	-2.208738	-0.745177	-2.281190
H	-5.163280	0.200167	-3.649979
H	-2.937056	-2.293136	4.367517
C	-0.640989	-3.216624	-0.340501
C	-3.227259	-0.627030	-3.218862
H	-1.337825	-1.345005	-2.521445
H	-1.580829	-2.846670	2.100229
C	0.323427	-3.995788	-0.932507
H	-1.630694	-3.481722	-0.005867
H	-3.134003	-1.119433	-4.180018
H	0.253519	-5.056997	-1.116362
C	3.064061	-0.460353	-0.337440
C	4.195770	-0.543820	-1.142854
C	3.223473	-0.360889	1.042398
C	5.468168	-0.536930	-0.581870
H	4.080901	-0.614721	-2.220061
C	4.491545	-0.346730	1.604264
H	2.345333	-0.290934	1.673601
C	5.618828	-0.436770	0.794165
H	6.340470	-0.603531	-1.221712
H	4.602797	-0.265769	2.679387
H	6.608705	-0.425672	1.234828

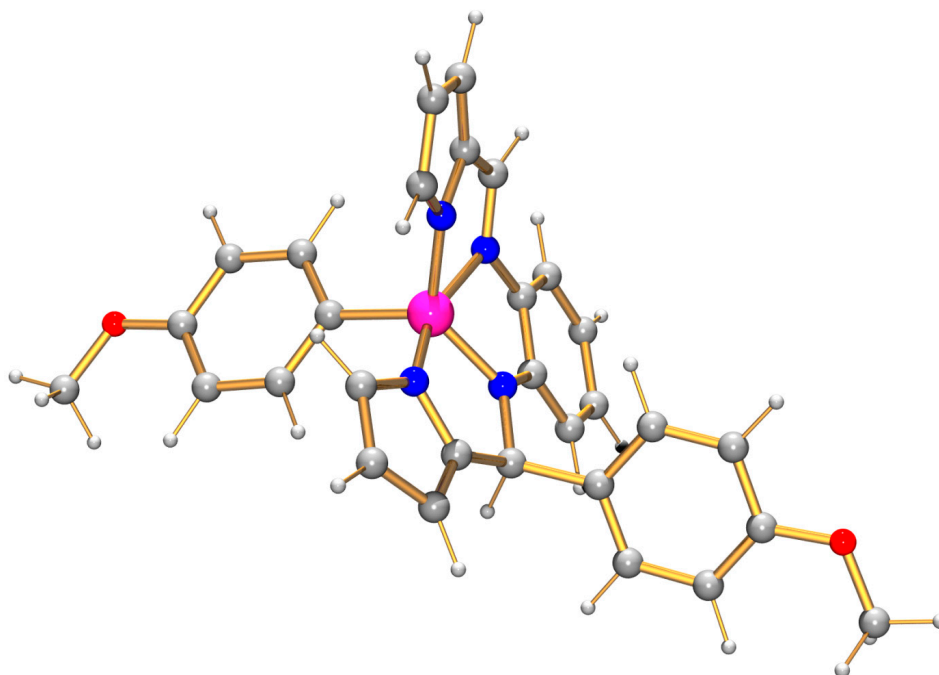


Figure S7. Molecular structure of $L^{Ani}Si(Ani)$ optimized at the MPW1PW91/6–311G(d,p) level.

Table S7. Cartesian coordinates of the optimized (MPW1PW91/6–311G(d,p)) molecular structure of **L^{Anis}Si(Anis)** (63 atoms), E = −1817.87393570 Hartree.

H	0.443770	5.337356	−1.892493
H	1.889341	3.750271	−3.115638
C	0.485296	4.298265	−1.592211
C	1.293217	3.399625	−2.281279
H	−0.919947	4.536081	0.025392
C	−0.275459	3.853650	−0.516801
C	1.357186	2.055831	−1.927800
H	2.006970	1.381202	−2.468190
C	−0.215277	2.517828	−0.159336
C	0.594905	1.590799	−0.857213
H	−1.216245	3.362921	2.332369
N	−0.854352	1.876131	0.895904
C	−1.195025	2.309351	2.069324
N	0.532012	0.305983	−0.363255
H	−3.487208	1.504400	0.786943
H	1.189270	−0.852465	−1.984629
C	1.340114	−0.777540	−0.897386
C	−1.432752	1.268664	2.996755
H	−5.624814	1.286635	−0.401216
C	−3.602390	0.704688	0.064070
Si	−0.869991	−0.088024	0.673338
H	−2.046447	1.979465	4.993632
C	−1.773977	1.165535	4.339727
C	−4.811866	0.597783	−0.594834
C	−2.545925	−0.187346	−0.172987
N	−1.133087	0.012372	2.498538
C	0.779293	−2.010635	−0.243209
N	−0.296631	−1.806195	0.584779
H	1.847762	−3.812866	−0.887801
C	−5.007708	−0.411649	−1.539442
C	−1.680052	−0.194427	4.665828
C	1.050842	−3.353854	−0.323815
C	−1.282516	−0.866245	3.516204
C	−2.773002	−1.194275	−1.114427
H	−1.856724	−0.645703	5.629173
C	−0.731045	−3.036594	1.015974
C	−3.978156	−1.312373	−1.799060
H	−1.994657	−1.920555	−1.320755
H	−1.068455	−1.913524	3.379781
C	0.081469	−4.007501	0.481384
H	−1.610574	−3.136976	1.630967
H	−4.100705	−2.109483	−2.520015
H	−0.011387	−5.070223	0.645868
C	2.829181	−0.608579	−0.654113
C	3.743849	−0.876758	−1.660663
C	3.317701	−0.220869	0.595645
C	5.117463	−0.771032	−1.447888
H	3.387167	−1.177737	−2.641019
C	4.673323	−0.104014	0.823403
H	2.618997	−0.006663	1.395967

C	5.586784	-0.381134	-0.198126
H	5.799349	-0.988244	-2.258857
H	5.059619	0.198717	1.788677
O	-6.220045	-0.433595	-2.140713
O	6.895755	-0.238839	0.125208
C	7.854818	-0.514007	-0.868938
H	8.825112	-0.345623	-0.406332
H	7.794866	-1.553159	-1.210058
H	7.746396	0.154895	-1.729567
C	-6.464635	-1.433847	-3.103943
H	-6.396403	-2.436359	-2.668957
H	-7.479352	-1.266597	-3.458998
H	-5.771025	-1.358036	-3.947766

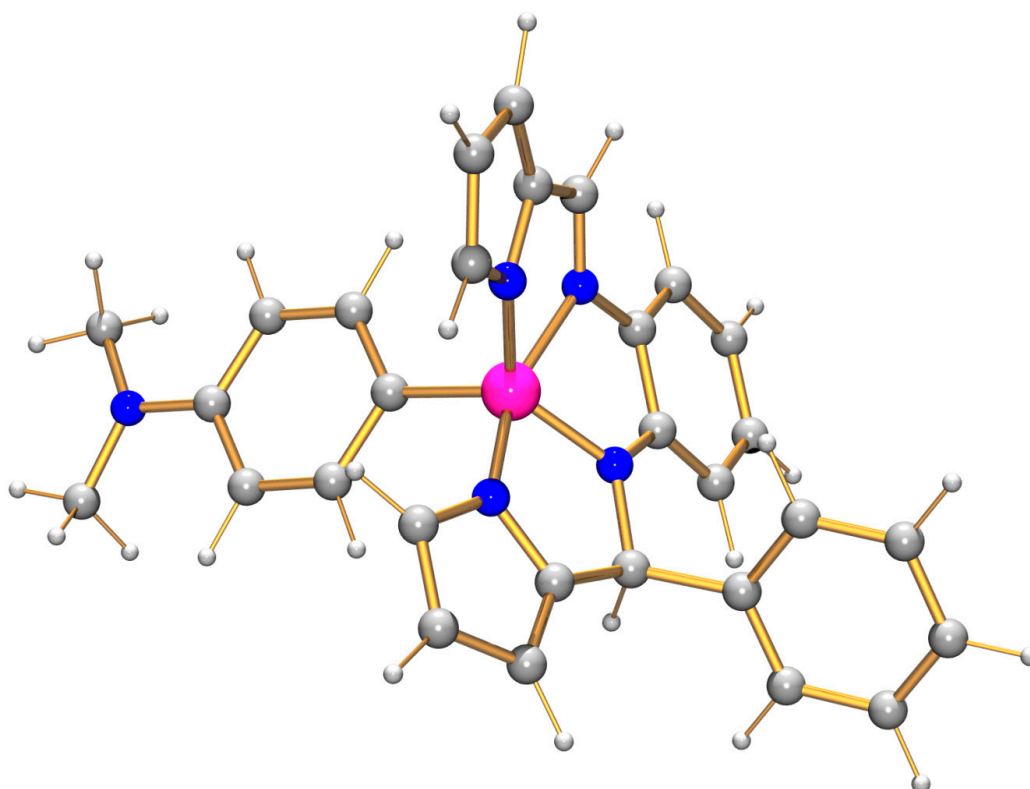


Figure S8. Molecular structure of $L^{\text{PhSi}}(p\text{-NMe}_2\text{-C}_6\text{H}_4)$ optimized at the MPW1PW91/6–311G(d,p) level.

Table S8. Cartesian coordinates of the optimized (MPW1PW91/6–311G(d,p)) molecular structure of $L^{\text{PhSi}}(p\text{-NMe}_2\text{-C}_6\text{H}_4)$ (63 atoms), $E = -1722.79548056$ Hartree.

H	1.026131	5.638204	-0.175701
H	2.307202	4.554514	-1.989593
C	1.082492	4.558642	-0.230807
C	1.797686	3.943845	-1.253430
H	-0.136135	4.238247	1.518801
C	0.434358	3.778157	0.720024
C	1.877379	2.559002	-1.358373
H	2.454309	2.106171	-2.153392
C	0.510461	2.399755	0.621785
C	1.225699	1.760939	-0.419311
H	-0.185042	2.380982	3.348638

N	-0.018959	1.441680	1.479197
C	-0.213635	1.468123	2.760599
N	1.194936	0.385034	-0.358674
H	-2.629173	1.158720	1.479100
H	1.656054	-0.176691	-2.326447
C	1.921190	-0.452323	-1.294911
C	-0.357984	0.180265	3.326200
H	-4.853911	1.291488	0.582057
C	-2.849872	0.579602	0.589196
Si	-0.097662	-0.348324	0.639616
H	-0.724579	0.200521	5.502442
C	-0.541957	-0.354884	4.595499
C	-4.133709	0.660834	0.079213
C	-1.854147	-0.209546	0.002799
N	-0.135634	-0.842784	2.421261
C	1.418066	-1.842551	-1.015673
N	0.441609	-1.935655	-0.055745
H	2.385096	-3.322385	-2.313118
C	-4.499666	-0.056028	-1.075548
C	-0.429262	-1.744806	4.455843
C	1.661180	-3.083799	-1.549616
C	-0.177835	-2.003653	3.113398
C	-2.227863	-0.912279	-1.150796
H	-0.498326	-2.484696	5.237350
C	0.040094	-3.248068	0.004602
C	-3.501600	-0.837352	-1.686412
H	-1.502489	-1.545182	-1.650106
H	0.004241	-2.946676	2.624546
C	0.776188	-3.980702	-0.895525
H	-0.769267	-3.556907	0.646080
H	-3.719121	-1.398902	-2.584507
H	0.687180	-5.042180	-1.069847
C	3.432773	-0.347239	-1.167611
C	4.229263	-0.360501	-2.308545
C	4.044766	-0.274680	0.081490
C	5.615247	-0.309389	-2.207776
H	3.760593	-0.410493	-3.286538
C	5.426603	-0.217130	0.184923
H	3.428486	-0.258650	0.972797
C	6.217392	-0.236205	-0.959489
H	6.222640	-0.320631	-3.105438
H	5.890910	-0.157283	1.162554
N	-5.778630	-0.000844	-1.580618
C	-6.066297	-0.600955	-2.861380
H	-5.849202	-1.672965	-2.853410
H	-7.126757	-0.484461	-3.078203
H	-5.496210	-0.145030	-3.682393
C	-6.724836	0.938816	-1.029696
H	-7.685765	0.806972	-1.524112
H	-6.879818	0.762897	0.038759
H	-6.412992	1.984373	-1.160337
H	7.296901	-0.190786	-0.876575

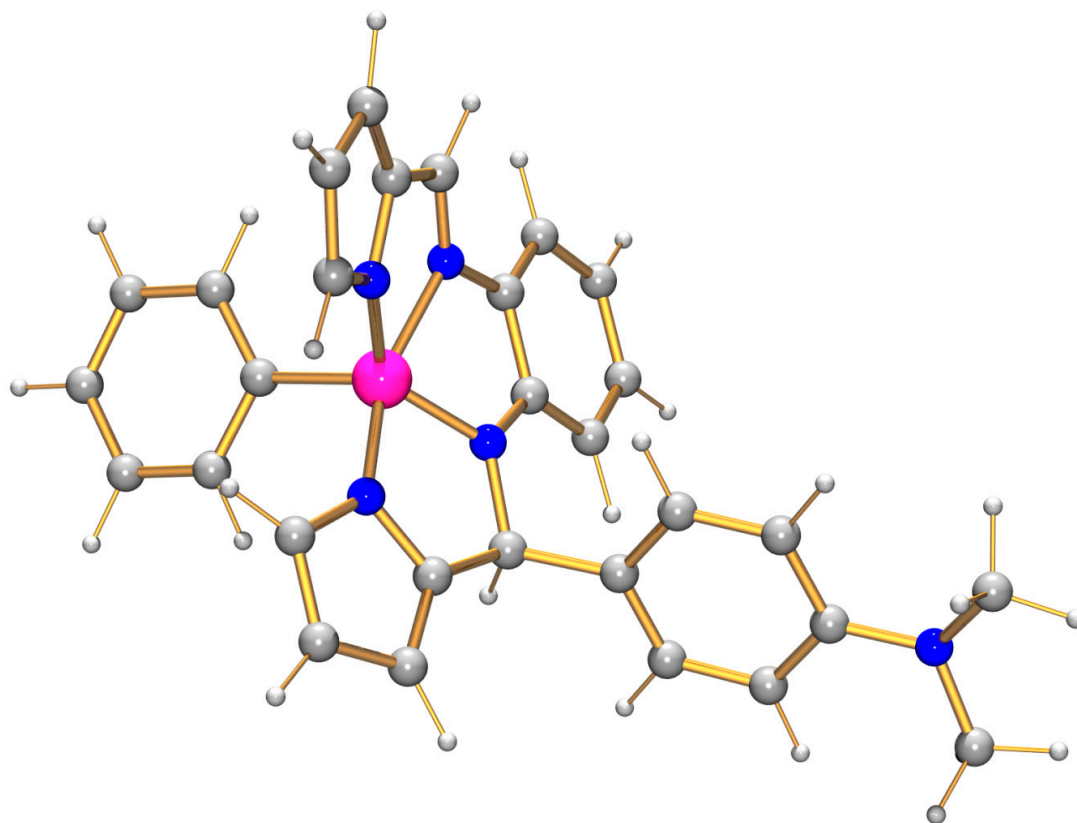


Figure S9. Molecular structure of $L^{4-NMe_2-C_6H_4}SiPh$ optimized at the MPW1PW91/6–311G(d,p) level.

Table S9. Cartesian coordinates of the optimized (MPW1PW91/6–311G(d,p)) molecular structure of $L^{4-NMe_2-C_6H_4}SiPh$ (63 atoms), $E = -1722.79349632$ Hartree.

H	-0.276941	5.676743	-0.095582
H	1.411380	4.653432	-1.581527
C	-0.206888	4.599675	-0.177276
C	0.738158	4.018711	-1.017283
H	-1.816973	4.222539	1.205577
C	-1.066933	3.788822	0.554074
C	0.843007	2.638844	-1.155361
H	1.598179	2.211068	-1.800213
C	-0.966212	2.414319	0.422984
C	-0.017199	1.810274	-0.435868
H	-2.347266	2.308485	2.874611
N	-1.688585	1.429135	1.086262
C	-2.215106	1.415480	2.270743
N	-0.059403	0.433259	-0.440954
H	-4.272592	1.010588	0.514587
H	0.837917	-0.065933	-2.269248
C	0.870787	-0.375814	-1.213874
C	-2.501867	0.110454	2.734293
H	-6.223027	1.192629	-0.952910
C	-4.236464	0.544673	-0.463870
Si	-1.542095	-0.328986	0.197141
H	-3.420748	0.061196	4.739811
C	-3.008292	-0.465102	3.892937

C	-5.346458	0.652202	-1.291864
C	-3.092740	-0.153688	-0.865129
N	-2.052182	-0.884003	1.882697
C	0.319059	-1.771378	-1.103321
N	-0.854148	-1.894175	-0.399711
H	1.563159	-3.207468	-2.194973
C	-5.331417	0.071337	-2.553730
C	-2.861693	-1.850889	3.739869
C	0.680728	-2.993580	-1.612457
C	-2.270514	-2.067422	2.501302
C	-3.103856	-0.740658	-2.136921
H	-6.194301	0.158615	-3.204006
H	-3.130653	-2.615521	4.451131
C	-1.257226	-3.205692	-0.485228
C	-4.205854	-0.624371	-2.975115
H	-2.242382	-1.306658	-2.473861
H	-1.965544	-2.995150	2.045929
C	-0.330633	-3.908212	-1.217107
H	-2.192996	-3.533875	-0.062945
H	-4.186655	-1.084772	-3.956305
H	-0.375264	-4.961652	-1.448134
C	2.312481	-0.268632	-0.755132
C	3.345070	-0.176078	-1.679964
C	2.657640	-0.312934	0.592619
C	4.675365	-0.127993	-1.289525
H	3.111350	-0.146852	-2.740274
C	3.976901	-0.258393	1.003482
H	1.874821	-0.394002	1.338474
C	5.026913	-0.153724	0.070422
H	5.438855	-0.065807	-2.052350
H	4.191543	-0.300722	2.062218
N	6.344915	-0.067330	0.476897
C	7.392421	-0.193896	-0.507124
H	8.357104	-0.071518	-0.017128
H	7.386789	-1.167533	-1.018296
H	7.312781	0.587636	-1.267717
C	6.677453	-0.332737	1.855915
H	6.164502	0.363592	2.524739
H	6.424874	-1.355599	2.170518
H	7.747455	-0.187429	1.996600
