Supporting Information

Five Types of Odd-Even Effect and Crystal Structure Changes Brought about by ω-Phenylalkyl Groups in [Ni(dmit)$_2$] Complex Salts

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Table S1. Distances/ Å of S…S Interactions in (**C2Ph**)[Ni(dmit)$_2$]

S4…S13[1)]	3.406(1)
S5…S13[1)]	3.604(1)
S18…S7[2)]	3.534(1)

Symmetry codes; 1) x, y, 1+z; 2) -1/2+x, 1.5-y, 1-z;

Masahiro Saeki, Kotaro Dai, Shuhei Ichimura, Yoshinori Tamaki, Kazuaki Tomono, Kazuo Miyamura

Table S2. Distances/ Å of S…S Interactions in (**C3Ph**)[Ni(dmit)$_2$]

S1…S7[1)]	3.631(2)
S2…S2[2)]	3.614(2)
S2…S6[1)]	3.500(3)
S3…S9[3)]	3.298(2)
S4…S7[2)]	3.617(2)
S5…S9[3)]	3.577(2)
S11…S17[4)]	3.644(2)
S12…S16[4)]	3.474(2)
S11…S18[5)]	3.649(2)
S13…S19[6)]	3.237(2)
S13…S20[6)]	3.537(2)
S19…S19[7)]	3.310(2)
S19…S20[7)]	3.556(2)

Symmetry codes; 1) 1-x, 1-y, 1-z; 2) 2-x, 1-y, 1-z; 3) x, 1+y, z; 4) 2-x, 1-y, -z; 5) 1-x, 1-y, -z; 6) x, -1+y, z; 7) 2-x, 2-y, -z;

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Table S3. Distances/ Å of S…S Interactions in (**C4Ph**)[Ni(dmit)$_2$]

S3…S9[1)]	3.540(1)
S6…S4[2)]	3.624(1)

Symmetry codes; 1) -1+x, y, z; 2) 1-x, -1/2+y, 1/2-z;

Masahiro Saeki, Kotaro Dai, Shuhei Ichimura, Yoshinori Tamaki, Kazuaki Tomono, Kazuo Miyamura

Table S4. Distances/ Å of S…S Interactions in (**C5Ph**)[Ni(dmit)$_2$]

S5…S15[1)]	3.449(3)
S6…S19[2)]	3.634(2)
S8…S19[2)]	3.451(2)
S11…S16[3)]	3.642(2)
S11…S18[3)]	3.545(2)
S16…S16[3)]	3.571(3)

Symmetry codes; 1)1.5-x, -1/2+y, 1.5-z; 2) 1-x, -y, 1-z; 3) 2-x, -y, 2-z;

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