LETTERS

Charge self-regulation upon changing the oxidation state of transition metals in insulators

Hannes Raebigerlators

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 $\frac{7,8,17}{n} (\mathbf{E}_{4}, 1), \mathbf{H}_{1}, \mathbf{t}_{2}, \mathbf{s}_{1}, \mathbf{t}_{2}, \mathbf{s}_{2}, \mathbf{t}_{2}, \mathbf{t}_{3}, \mathbf{t}_{4}, \mathbf{s}_{1}, \mathbf{s}_{2}, \mathbf{t}_{4}, \mathbf{t}_{4}, \mathbf{s}_{1}, \mathbf{s}_{2}, \mathbf{t}_{4}, \mathbf{t}_{4}, \mathbf{s}_{4}, \mathbf{s}_{$

N t t t t, 4, t, 5, 14, 5, t, -t t, CFR -5, -5, -10, t, M & t t, -4, 5, -t t t, DBH, -5, -10, 10, 10, 10, 10, 4, 5, -4, 5, -4, 5, -4, 5, -4, 5, -4, 5, -4, 5, -4, 5, -4, 5, -4, 5, -4, 5, -4, 5, -4,

$$Q_{\bullet}(q) = \sum_{i}^{A} \int_{0}^{R} r \psi_{i}^{2}$$
$$Q_{B}(q) = \sum_{i}^{B} \int_{0}^{R} r \psi_{i}^{2}$$

 $\begin{array}{c} (\mathbf{x}_{1}, \mathbf{y}_{2}, \mathbf{z}_{3}, \mathbf{z}_{4}, \mathbf{z}_{3}, \mathbf{z}_{4}, \mathbf{z}_{4}$