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- Yandovskii**, Valerii. See **Dryuk**, Valerii C., 1526.
- Yoshida**, Koji. See **Ohmori**, Hidenobu, 1437.
- Yoshikawa**, Kenichi, **Hashimoto**, Mikio, **Masuda**, Hideki,

and **Morishima**, Isao. Electronic and structural effects on the ^{13}C contact shifts of σ -bonded molecules, 809.

Yoshikawa, Kenichi, **Matsui**, Akira, and **Morishima**, Isao. Homoallylic interaction between a nitrogen lone pair and a non-adjacent π -bond. Part 6. Nature of the lone-pair electrons in n,π -homoconjugated aliphatic amines, 1057.

Z

Zecchi, Gaetano. See **Beltrame**, Pier Luigi, 706.

Zeller, Klaus-Peter, and **Berger**, Stefan. Steric hindrance in substituted dibenzofurans, 54.

Zundel, Georg. See **Matthies**, Michael, 1824.