

A selection of the most important publications of Professor Kenichi Fukui

1. K. Fukui, T. Yonezawa, and H. Shingu, *J. Chem. Phys.* 20, 722–725 (1952): A Molecular Orbital Theory of Reactivity in Aromatic Hydrocarbons.
2. K. Fukui, T. Yonezawa, C. Nagata, and H. Shingu, *J. Phys. Chem.* 22, 433–442 (1954): Molecular Orbital Theory of Orientation in Aromatic, Heteroaromatic and Other Conjugated Molecules.
3. K. Fukui, in *Molecular Orbitals in Chemistry, Physics, and Biology* (P. O. Löwdin and B. Pullman, eds.), Academic Press, New York, 1964, pp. 513–537: A Simple Quantum-Theoretical Interpretation of the Chemical Reactivity of Organic Compounds.
4. K. Fukui, *Theory of Orientation and Stereoselection*. Springer Verlag, Berlin, 1970 (Rev. Ed., 1975).
5. K. Fukui, *J. Phys. Chem.* 74, 4161–4163 (1970): A Formulation of the Reaction Coordinate.
6. K. Fukui, *Accounts Chem. Res.* 4, 57–64 (1971): Recognition of Stereochemical Paths by Orbital Interaction.
7. K. Fukui, in *Proc. First Intern. Congr. Quant. Chem.*, Menton-France 1973 (R. Daudel and B. Pullman, eds.), D. Reidel Publ. Co., Dordrecht-Holland, 1974, pp. 113–141: The Charge and Spin Transfers in Chemical Reaction Paths.
8. K. Fukui and S. Inagaki, *J. Am. Chem. Soc.* 97, 4445–4452 (1975): An Orbital Interaction Rationale for the Role of Catalysts.
9. K. Fukui, *Accounts Chem. Res.* 14, 363–368 (1981): The Path of Chemical Reactions. The IRC Approach.
10. K. Fukui, N. Koga, and H. Fujimoto, *J. Am. Chem. Soc.* 103, 196–197 (1981): Interaction Frontier Orbitals.
11. K. Fukui, *Angew. Chem. Intern. Ed. English* 21, 801–809 (1982): The Role of Frontier Orbitals in Chemical Reactions.