**PROOF CORRECTIONS**

1. In line 46, replace "Furtula et al." by " Furtula et al.2 "
2. In line 50, replace "amics2,3 and in chemistry5-7 " by " amics3 and in chemistry4-7 "
3. In line 306, replace " Randić " by " Randić3 "
4. In line 442, replace "s" by "3".
5. After line 476, write " M.Randić ,On characterization of molecular branching, J. Am. Chem. Soc., **97**, (1975), 6609.