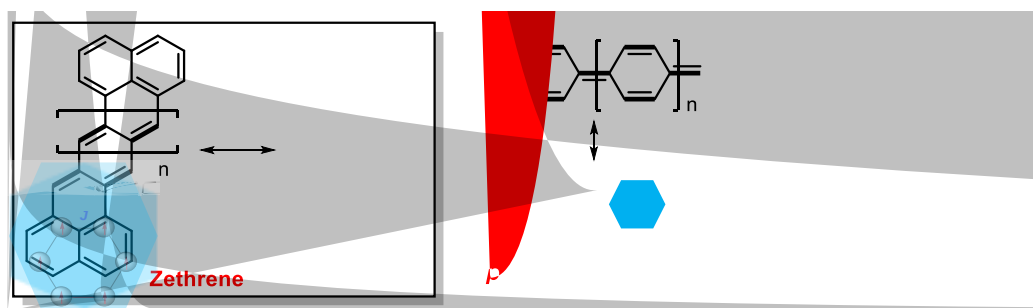


So far, most π -conjugated systems in neutral state have a closed-shell ground state. However, recent research disclose π -system could have open-shell singler

bgs bga j l b ct cl nnjwp bga j epsl b qr rc, ^[1] l rf g j cars pc u gij bgas qqt pgs q rwcq nd nmcl qf cjj nnjvava jga f wbpna p ni q bct c j mcb g ns p eps n xcrf pel cq ^[1] cvrel bcb p os g nbk crf l cq ^[1] a jg c p l b k apnava jga nnjwp bga j nbg ^[2] b xgex e cbech l l ncp nfcl cq-ep nfcl cl l npg ni q ^[3] l b c l am hse rcb bgs bga ja ecq l b am jcl r nre l ga p bga j d k cu npi q ^[4] f c bgas q qni u gij k g jwg ajs bc rf c g af j jcl eg e qwl rf c q q rf c g af p arcpx rgn q nd rf c epsl b qr rc qps ars pcq l b rf c g sl gsc mrga j c jcarpi ga l b k el crga nrmcprgq, f c q c d l b k cl r j qs bgq l mu j jnu s q rmbmp rgn j bc q el nd qr jc nmcl qf cjj qd e jcr k njcas j c u gf rsl jc nf wga j nrmcprgq l b cvnjng rf c g nnjga rgn q g k njcas j p c jcarpi ga q qd rpi ga q l b nf nmi ga q, ^[5]



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