

Adiabatic Ionization Potentials

E(eV)	Inorgan.	Alkanes	Alkenes	Alkynes	Aromatics	Alcohols	Ethers	Aldehydes	Ketones	Esters	Acids	Nitriles	Nitros	Amines	Fluoro	Chloro	Bromo	Iodo	Sulfur	E(eV)
7					perylene															7
					coronene															
					anthracene															
					chrysene															
8					phenanthrene									trimethylamine						8
					naphthalene									diethylamine						
					1,2,3-trimethylbenzene									dimethylamine						
					p-xylene															
		2-methyl-2-butene			o, m-xylene										butylamine					diethylsulfide
					toluene										ethylamine					dimethylsulfide
9														methylamine						9
		cis, trans-2-pentene																		butanethiol
	NO	isobutene			benzene		diisopropylether		3-hexanone											triiodomethane
	S ₂ , I ₂	1-hexene					methylpropylether		2&3-pentanone											ethanethiol
																				methanethiol
		decane	1-butene	2-butyne		3-hexanol	diethylether	hexanol	2-butanone											iodomethane
10	NO ₂ , H ₂ Se	octane	propene	propadiene		2-butanol	methylethylether	butyraldehyde	acetone	sec-butylacetate										
	I ₂ , PH ₃	heptane		1-pentyne		2-propanol	dimethylether	propionaldehyde		ethylacetate										2-bromopropane
	CS ₂ , NH ₃	hexane		1-butyne		1-propanol		acetaldehyde		methylacetate	butyric			ammonia						bromoethane
	S, HI, H ₂ S	pentane		propyne		ethanol				butylformate	propionic									dibromomethane
	Br ₂ , IF	butane	ethylene							ethylformate	acetic		2-nitropropane							bromomethane
						methanol		formaldehyde					1-nitropropane							
11	ClO, BrCl	propane																		
	COS																			1,1,2-trichloroethane
	Cl ₂				acetylene						formic	butyronitrile	nitromethane		1-fluoropropane	chloromethane				tetrachloromethane
	SiH ₄ , HBr	ethane																		
	BrF, SiF ₄											propionitrile			fluoroethane					
12																				
	O ₂																			
	Xe												acetonitrile							
	SO ₂ , O ₃																			
	H ₂ O, ClF	methane																		
	HCl, N ₂ O																			
13																				
	NF ₃																			
	C ₂ N ₂																			
14																				
	CO ₂																			
	Kr, CO																			
15																				
	H ₂ , SF ₆																			
	N ₂ , F ₂ , BF ₃																			
	Ar																			
16																				
	HF																			

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