

Fundamental bases of the structure of substance

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Abstract

New approach to creation of the predictive theory of substance in a logic-genetic linkage of hierarchical levels in a chain is offered: atom – a molecule – substance. Fundamental difference of the offered approach is the theory of an electronic structure of atom which cornerstone the dipole- shell model of multielectronic atoms within which the nature and the mechanism of formation of electronic structure of atoms is established is so-called. The understanding of an electronic structure of atoms predetermined understanding of the nature and the mechanism of formation of molecules as structural elements of substance. A basis of formation of molecules is covalent bond which quantitative description found in universal model of a ring on a molecule axis.