

Modern conductive polymers and composites play an important role in the processing chain in many areas of automotive, aerospace instrumentation and a variety of consumer electronics and technology. This began with the creation of expanded, primarily carbon powder, later dispersed powders Cu, Al, Ni, Fe and other metals these polymers row polyolefins and polyamides. Features aggregation state of the filler in a polymer matrix and the requirements of industrial applications filled tracks leading aroused interest in the creation of structure-conducting polymers. The request was resolved chemical creation π - conjugated polymers such as polyaniline, polypirrol, polythiophenes, which solve the problem of transfer of electric charge macromolecules these compounds. The following is a list of works modest a contribution in this direction conductive polymers.

#	Name of Articles	Data and Place Publication	Co-authors
1.	The influence of environment on the structure, degree of crystallinity and electrical conductivity of polyaniline	Наукові записки Рівненського пед- ту «Фізика конденсованих високомолекулярних систем» вип.4, с.39, 1998	Vilensky V. Keyvan I.
2.	Influence of nature of solvent upon structure, degradation and conductivity of polyaniline	Fundamental Materials, v.5 N3, p.395, 1998	Vilensky V. Keyvan I.
3	The influence of annealing and pressure upon electrical conductivity characteristics of polyaniline	Доповідь 8-й Українській конф. з високомолек. сполук, Київ-96, 24-26 вер.1996, с. 271	Vilensky V. .Kuporev B
4	Effect of annealing temperature and pressure on the crystal structure and conductivity of polyaniline	Доповідь 8-й Українській конф. з високомолек. сполук, Київ-96, 24-26 вер.1996, с. 271	Vilensky V. Goncharenko L.
5.	Influence of the nature of the solvent on the structure and physicochemical properties of polyaniline	Високомолек. соед., А-41,1999, N 4, с.434-438	Vilensky V. Keyvan I.
6.	Influence of the structure of copolyaniline-ureas on their dielectric properties	Високомолек.соед. А, т.42, №8, 2000. С.1391-1396	Vilensky V. .Kuporev B Keyvan I.
7.	The study of crystal structure and conductivity of polyaniline, exposed to pressure and annealing	Укр. хім. журнал, т.64, №4, с.129, 1998	Vilensky V. Kuporev B.
8.	Polyurethane-polyaniline conducted composites	Сб. Міжнар. Науково-технічної	Vilensky V. Goncharenko L.

		конф. «Композиц. матер.» 1-3 июня 1998. Киев, с.121	
9.	Crystal structure and conductivity of polyaniline, exposed to pressure and annealing	Укр. хім. журнал, т.64, №4, с.129. 1998	Vilensky V. Kuporev B.
10.	Synthesis of polyaniline in polyurethane matrices: the structure and conductivity of polymer composites	Доповіді НАН України, №5, с.153 1999	Vilensky V. Keivan I.
11.	Effect of temperature and pressure on the crystal structure and thermal-physical properties of polyaniline	Высокомолек. соед., А-41, №5, С.829-835, 1999	Vilensky V. Kuporev B.
12.	Influence of the structure of a polyurethane matrix on the structure and properties of polyaniline composites	Высокомолек. соед., А-41, №10, С.1636-1641, 1999	Vilensky V. Goncharenko L.
13.	Conductive composites: synthesis of polyaniline on polyurethane matrices	Доклад на Международн. Конф. Персп. материалы, Киев, 3-7 окт. 1999	. Vilensky V Goncharenko L.
14.	Synthesis and study of composites from polyaniline - polyurethane, which crystallizes	Доповідь на 9-й Українській конф. з високомол. сполук Київ, 26-28.9.2000 С.60	Vilensky V. Goncharenko L. Kercha Y.
15.	Current-conducting oligomer-polymer compositions	Сб.тез. 7 Международн. конф. «Олигомеры VII» 2000 с.327	Vilensky V. Goncharenko L.
16.	The influence of the structure of heterochain matrix synthesis on properties of aniline containing composites	Укр. хім. журнал Т.66, №1, с.59-62 2000	Vilensky V. Goncharenko L.
17.	Synthesis and study the structure oligoaniline diureas based on diisocyanates different structure	Укр. хім. журнал Т.67, №8, с.119-125 2001	Vilensky V. Keyvan I. /Scheludko E
18.	Compositions Polyaniline - Crystallizing Polyurethane: Synthesis, Structure and Some Properties	Высокомолек.Соед. Б.,43, №5, с.896-900, 2001	Vilensky V. Goncharenko L.
19	Crown containing polyurethane-semicarbazide: synthesis, structure, electrical properties	Укр. хім. журнал, т 62, №12, с.111, 1996	Vilensky V. Kercha Y.

20	On some peculiarities of the structure formation of mesh polyurethanes cross linked with metal ions and its complexes with crown ethers	Высокомолек. соед. А-38, №7, с.1110, 1996	Lipatov Y. Vilensky V. Kosianchuk L. Lipatova T.
21	Polyurethane Urea based on crown ether-diamines: structure, properties of ionic conductivity	Высокомолек. соед. А-38, №11, с.1865, 1996	Vilensky V. Veselov V. Kercha Y
22	Crown-containing polyurethane semicarbazide: synthesis, structure, electrical conductivity	Укр. хім. журнал, т 62, №12, с.111, 1996	Vilensky V. Goncharova L. Kercha Y.
23	The effect of electrical field intensity on structure, thermal properties, and conductivity of the polyepoxy-metal oxide composites	Вісник Київського університету, Сер. Фізико-математичні науки.-2009.-№1.- С.227-232	Vilensky V. .Demchenko V
24	Investigation of the influence of ion centers in rigid blocks on ionic conductivity and the structure of polyurethane semicarbazides	Доповіді НАН України, №12, с.142, 1997	Vilensky V. Goncharenko L . Kercha Y.
25	A method for obtaining of the conductive polymer composition	Патент України № 53765,Бюл.2, 2003	Vilensky V. Goncharenko L. Kercha Y.