

36 The analysis of the printed papers of table tennis from 1981 to 2000 in China

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1 Introduction

Sports science is a significant part of sports. It is an important factor to impel the development of sports. With the development of the sports, researches in this field become more and more important, especially for Chinese table tennis team. Comprehensively summarizing the documentation is regarded as a momentous meaning that would definitely instruct the development of table tennis in China in future.

2 Methods

The Printed Papers of Table Tennis from 1981 to 2000 were selected and analyzed.

3 Results and Discussion

2141 papers about the table tennis which came from the total 2,293 papers, were checked out according to "the list of Chinese sports journals". All the papers were classified into three parts, the physical education in school, the competitive sports and the exercise sports. The first one included 72 articles which account for 3% of the 2,293 papers; the second surprisingly had 2,048 that account for 96% of total papers. The last one only contained 21 articles, accounting for 1% of the 2,293 papers. The articles in the field of exercise sports are deficient from the respective researching.

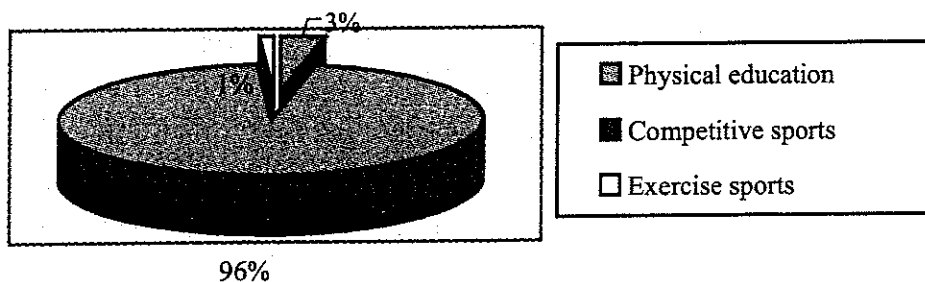


Figure 1. The percentage of each kind of the printed papers of table tennis

The papers that were written by the individual persons accounted for 78.

8% of the 2002 articles which were printed and named. The others 424 accounted for 21.1%. The number of papers which had units was 1004. They were divided into six sections such as training department, sports colleges and other universities etc. in detail, there were 321 papers which accounted for 32% belonging to the training department, 301 which accounted for 30% by sports colleges, 149 which accounted for 15% of research seminars, 120 which accounted for 12% by other colleges of sports, 60 articles which accounted for 6% by others places, the different sports departments have 53 papers which accounted for 5% of the whole document. From the numbers mentioned above it was concluded that the first three places were the main contribution to the whole document. At the same time they should communicate with each other frequently.

Table 1. The catalog of the paper

Author's Unit	Numbers	Percentage
Training Department	321	32%
Sports Colleges	301	30%
Research Seminars	149	15%
The Other Colleges of Sports	120	12%
The Others Places	60	6%
Different Sports departments	53	5%
Total	1004	100%

With respect to the research methods, there were some peculiarities deserving to be cared about. 224 papers, only accounting for 10.5% of the 2141 papers, had the explicit research methods. There were 76% of the printed papers that used more than 2 different methods and the most popular way was to use 2 methods which account for 36% of the whole papers. The papers that used 3 methods equaled to 28%; papers using 4 methods accounted for 11%, and that using 5 were 1% of 2141. There was only one paper using 6 research methods. In addition to the normal methods such as documents, statistics, testing and investigations, a variety of methods, e. g., experiments, observations and stimulations, were used to the table tennis researches as well.

The total 2048 articles included 23 distinct species. (1) Respectively comprehensive theory; (2) Technology; (3) Tactics; (4) Teaching; (5) Training; (6) Kids teaching; (7) Psychology; (8) Body quality and training; (9) Sports biology; (10) Sports chemistry; (11) Anatomy; (12) Medicine; (13) Physiology; (14) talent identification; (15) Rules; (16) Equipment; (17) Coverage; (18) Management of the clubs; (19) Coaches; (20) Table tennis stars; (21) Translations; (22) Sports history; (23) The others.

The grouping method of this study is relatively proper. The distribution of 23 kinds of papers from 1981 to 2000 was consistent with the principle of China's competitive sports, i. e., superior sports develop first.

Table 2. The numbers of the Printed Papers of Table Tennis from 1981 to 2000 in China

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Total	
1981	19	26	2	0	9	4	2	3	0	0	1	0	0	5	7	7	12	1	2	17	2	6	48	173	
1982	25	22	2	1	9	4	8	3	4	0	2	0	1	2	1	4	8	1	3	5	5	2	12	124	
1983	20	15	2	1	10	4	12	0	2	0	0	0	1	6	11	5	3	1	0	4	1	15	24	137	
1984	19	14	2	1	8	1	4	0	5	0	3	0	4	0	4	2	5	0	0	1	3	12	21	109	
1985	14	9	5	1	5	3	13	2	4	1	1	0	0	2	3	4	8	1	3	23	4	8	33	147	
1986	15	19	4	0	6	1	8	3	4	0	1	1	2	4	6	1	14	1	3	8	4	2	20	127	
1987	14	20	3	2	7	2	4	2	8	0	3	0	6	2	5	2	0	0	0	1	2	2	2	12	97
1988	15	21	1	2	3	11	3	5	2	0	0	1	0	0	9	0	2	3	1	3	2	1	26	111	
1989	12	17	1	0	2	2	4	1	2	0	0	0	0	2	7	1	8	0	2	3	3	5	11	83	
1990	10	11	1	0	3	5	10	1	0	0	0	0	0	6	5	2	5	1	1	4	4	0	13	82	
1991	16	6	0	2	3	3	8	0	3	0	3	2	2	0	5	3	11	0	0	0	0	0	14	81	
1992	16	20	0	1	5	5	10	3	1	0	3	1	1	1	5	3	4	0	0	2	0	3	17	101	
1993	10	25	1	0	9	5	5	4	3	0	3	0	0	3	12	14	19	3	0	4	1	2	37	160	
1994	10	8	0	0	7	3	5	1	2	0	1	0	4	0	7	8	7	5	0	3	0	0	23	94	
1995	8	18	1	1	5	2	8	2	1	0	1	0	1	1	5	0	8	1	1	3	0	0	12	79	
1996	9	7	2	1	7	5	9	2	2	0	1	3	0	1	8	2	3	2	0	1	0	0	8	73	
1997	5	7	2	1	6	7	3	9	0	0	0	1	1	2	2	3	8	0	0	0	0	0	11	68	
1998	4	10	2	3	3	4	7	5	2	0	3	1	3	0	6	4	1	4	0	0	0	0	4	66	
1999	10	31	1	1	10	9	8	6	2	0	0	1	0	3	5	12	2	5	1	2	12	1	16	138	
2000	11	19	4	1	9	5	3	4	4	0	0	1	0	4	5	4	1	3	0	1	2	1	9	91	
Total	262	325	36	19	126	85	134	56	51	1	26	12	26	44	118	81	129	32	17	85	45	60	371	2141	

4 Conclusions

This paper, according to the book "The list of Chinese sports journals", checked out the total 2,141 articles about the table tennis which are come from the whole 2,293 papers have been printed. They were classified to main three parts, respectively speak, the school parts, the sports parts and the population part. The first one comprises 72 articles which account for 3 % of the 2,293 papers, and the second one surprisingly consists of 2,048 that account for 96 % of total papers. The last one only account for 1 % of the 2,293 papers, which has 21 articles. The population's articles are deficient from the respective researching.

The total 2,048 articles comprise of 23 distinct species that are respectively comprehensive theory, technology, tactics, teaching, training, kids teaching, psychology, body quality and training, sports biology, sports chemistry, anatomy, medicine, physiology, talent identification, rules, equipment, coverage, management of the clubs, coaches, table tennis stars, translations and sports history etc. The main characteristics of these papers from 1981 to 2000 are conspicuous and diverse and parallel with our famous rules that is the preference of the sports.