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6th Congress of the International Society of Cultural-historical Activity Research

Cultural-historical Activity Research in crisis contexts: challenges and perspectives

SYMPOSIUM
**CULTURAL-HISTORICAL SCIENTIFIC SCHOOL:
THEORETICAL FRAMEWORK AND PRACTICAL APPLICATION
IN CONTEMPORARY RUSSIA**
PART TWO

**VYGOTSKY'S IDEAS IN SCIENTIFIC PUBLICATIONS:
A TEN YEARS' ANALYSIS (2010-2020)**

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SCIENTIFIC PUBLICATIONS AS THE DEVELOPMENT INDICATOR



One of the significant indicators of the development of the ideas in any science is the number and demand of scientific publications. Recent studies based on bibliometric analysis has shown that Vygotsky's ideas are actively developing. Even there are thematic "bursts" in increase of publications.

Research Question: What is the thematic diversity of publications within the framework of the contemporary studies in cultural-historical psychology and activity approach?

Study: The bibliometric analysis covered publications that are included in the Web of Science Core Collection for an 11-year period (2010-2020).

The study was arranged within the "Vygotsky's Library" Project of Moscow State University of Psychology and Education (2020-2021).

We based on the data of a previous bibliometric study where analysed the representation of fundamental concepts of cultural-historical psychology that reflected in keywords of the articles (2019). We got there the sample from 105 articles in cultural-historical psychology and activity approach.

In order to obtain that main sample of publications (core set) using the Web of Science we produced a new sample of publications citing the core set and choose only those that belong to the cultural-historical psychology and activity approach among them (n = 446). Then the samples of the core and the publications citing the core were combined in core+set (n=551).

TERMS – FREQUENCY OF OCCURRENCE

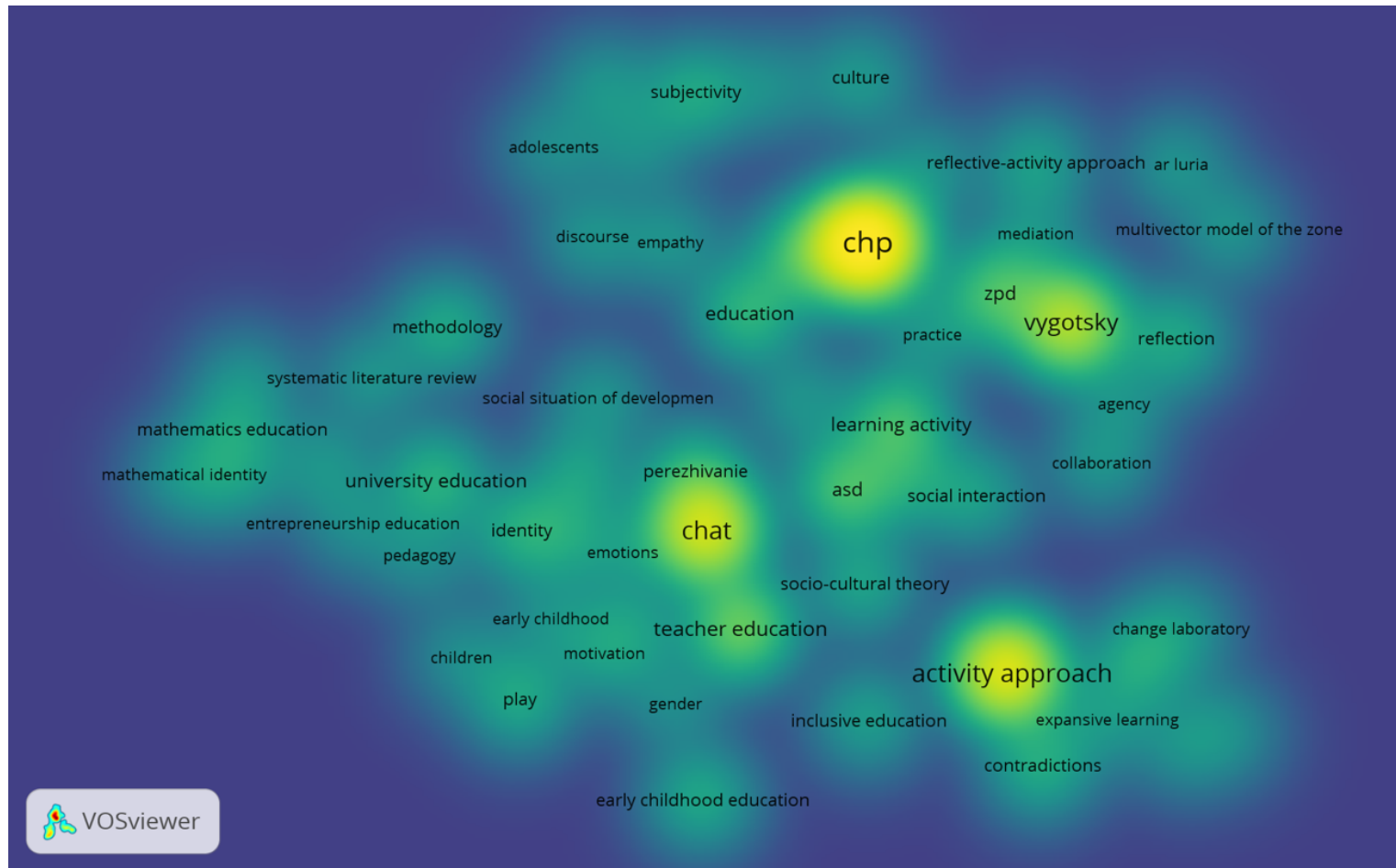


The core+ set publications gave us a sample of 1532 terminological units (keywords). The top 20 terminological units by frequency of occurrence:

No.	Terms	Frequency
1	CHP (cultural-historical psychology, cultural-historical scientific school, historical-cultural psychology, cultural-historical approach)	86
2	activity approach (activity theory, theory of activity, etc)	55
3	CHAT	50
4	Vygotsky (Vygotski, Lev Semenovich Vygotsky, etc.)	38
5	teacher education	24
6	ASD (autism spectrum disorders, autism spectrum condition, autism, etc.)	19
7	ZPD (zone of proximal development, proximal development zone, etc.)	18
8	learning activity	16
9	education	14
10	development	13
11	university education	12
12	perezhivanie	12
13	subjectivity	11
14	contradictions	11
15	methodology	10
16	reflection (reflexivity)	10
17	double stimulation	10
18	identity	10
19	sociocultural theory (sociocultural approach)	9
20	social interaction	9

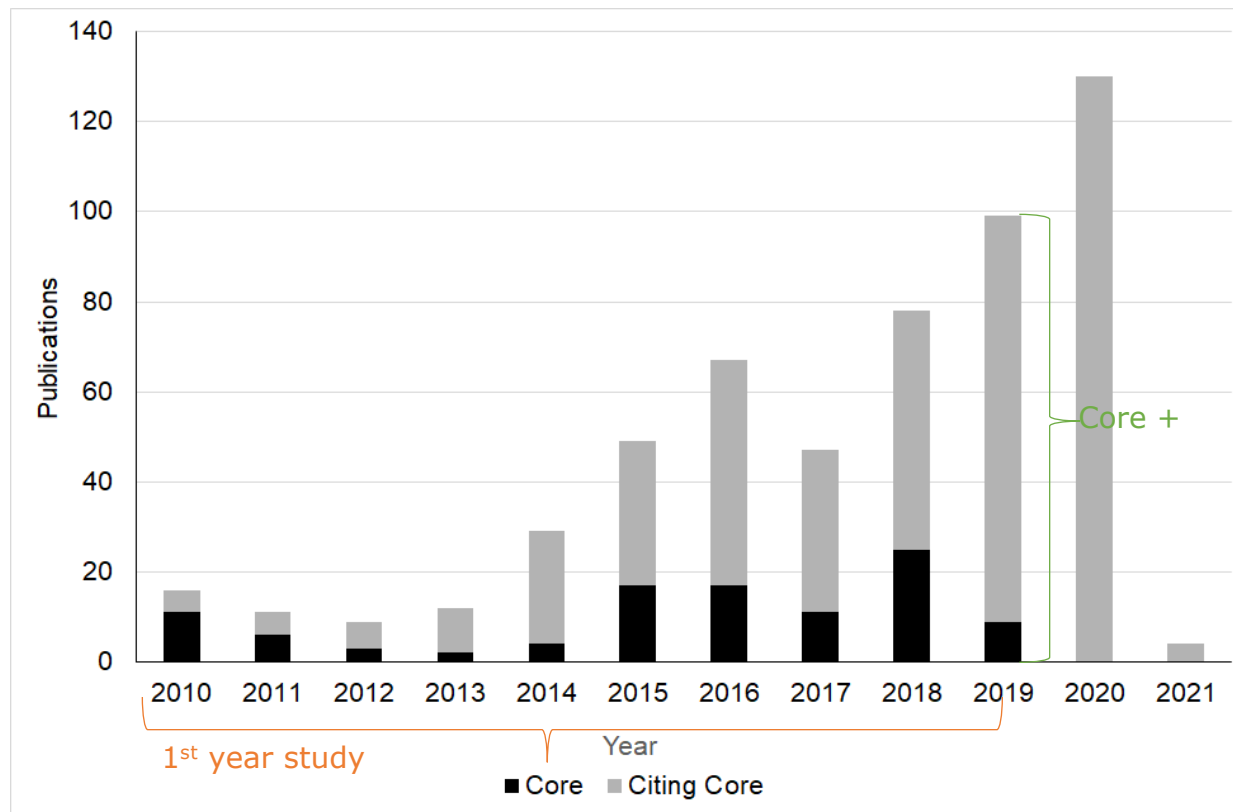
TERMS – GROUPINGS

The map of relationships between keywords in publications of the *core+* sample (n = 551). The relationships were visualised using the VosViewer tools.



NUMBER OF PUBLICATIONS

Publications in the *core+* sample ($n = 551$) within the *core* set ($n = 105$) by year.



Web of Science Core Collection, 2010-2020

COUNTRIES BY NUMBERS OF PUBLICATIONS

Top 10 countries in terms of the number of publications included in the core+ sample (n = 551).

No.	Countries	Number of publications (%)
1	Russia	17.42
2	USA	17.24
3	England	9.44
4	Spain	5.99
5	Australia	4.90
6	Canada	4.72
7	Brazil	4.36
8	Finland	3.99
9	Norway	3.99
10	Sweden	3.81

SEMANTICALLY CLOSE COUNTRY GROUPS

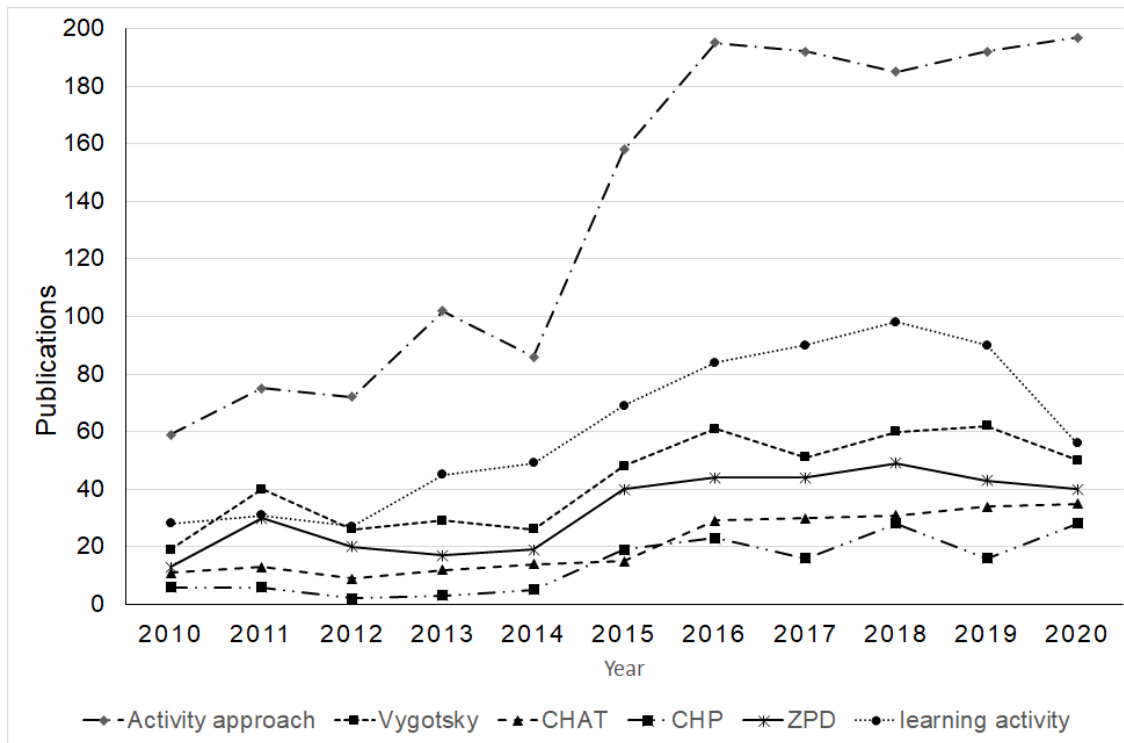
10 countries – the most frequent terms in publications.

Three terms were common to all countries: *activity approach*, *teacher education*, *CHAT*. Five more terms common to paired country groupings were *CHP*, *Vygotsky*, *ZPD*, *contradictions*, *university education*. The first group of countries was responsible for 50.0% of repeated terms, the second group – 66.7%, and the third – 41.7%.

Russia, Brazil, Spain, Australia	Canada, USA, Norway, England	Finland, Sweden
CHP	CHAT	activity approach
activity approach	activity approach	double stimulation
Vygotsky	Vygotsky	intervention research
subjectivity	teacher education	computer-based training
ZPD	ASD	formative interventions
education	ZPD	CHAT
perezhivanie	identity	teacher education
development	sociocultural theory	contradictions
reflection	contradictions	University education
reflective-activity approach	CHP	methodology
teacher education	play	collaboration
CHAT	University education	Clinic of Activity

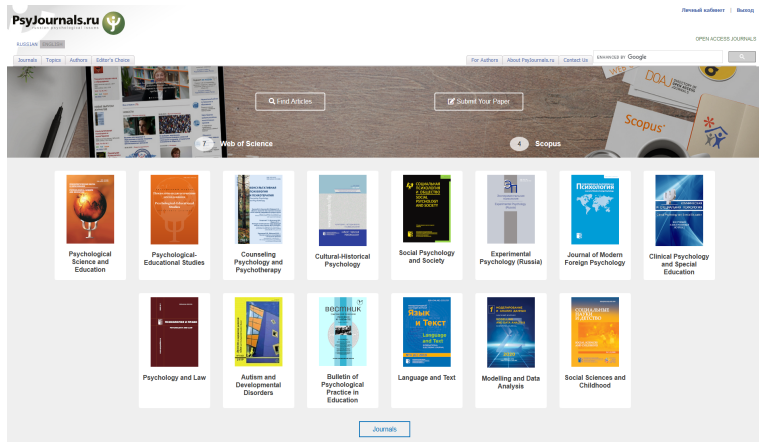
FREQUENT COMMON TERMS

The most frequent common terms are *Vygotsky*, *activity approach*, *CHAT*, *CHP*, *ZPD* and *learning activity*. The analysis of the dynamics of use this group of six terms as keywords demonstrate that the leader is *activity approach* (max. 197 in 2020), followed by *learning activity* (max. 98 in 2018) and *learning activity* (max. 98 in 2018) and *Vygotsky* (max. 61 in 2016). The terms *CHAT*, *CHP* and *ZPD* are found in less than 60 publications per year. Interestingly, the peak of the *ZPD* term was in 2011, while the peaks of *CHAT* and *CHP* overlap in 2016 and 2018.



Web of Science Core Collection, 2010-2020

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If we look at articles with the greatest number of downloads over the entire period, we can see which of the topics and authors are most requested by readers in CHP Journal.

No.	Article	PDF downloads
1	Goutkina N.I. L.I. Bozhovich's Concept of Personality Structure and Formation (Cultural-Historical Approach). Cultural-Historical Psychology, 2018. Vol. 14, no. 2, pp. 116–128. doi:10.17759/chp.2018140213. (In Russ., abstr. in Engl.)	9390
2	Arkhireeva T.V. Dynamics of Learning Motivation in Early School Age Children. Cultural-Historical Psychology, 2015. Vol. 11, no. 2, pp. 38–47. doi:10.17759/chp.2015110204. (In Russ., abstr. in Engl.)	8519
3	Daniels H. Vygotsky and Dialogic Pedagogy . Cultural-Historical Psychology, 2014. Vol. 10, no. 3, pp. 19–29. (In Russ., abstr. in Engl.)	7284
4	Akhutina T.V. The Life of Alexander Luria . Cultural-Historical Psychology, 2012. Vol. 8, no. 2, pp. 2–10. (In Russ., abstr. in Engl.)	7168
5	Smirnova E.O. On the Problem of Will and Self-Regulation in Cultural-Historical Psychology. Cultural-Historical Psychology, 2015. Vol. 11, no. 3, pp. 9–15. doi:10.17759/chp.2015110302. (In Russ., abstr. in Engl.)	6965
6	Obukhova L.F. Galperin Theory — Establishment of a New Branch in Psychology. Cultural-Historical Psychology, 2010. Vol. 6, no. 4, pp. 4–10. (In Russ., abstr. in Engl.)	6753
7	Dafermos M. Critical Reflection on the Reception of Vygotsky's Theory in the International Academic Communities. Cultural-Historical Psychology, 2016. Vol. 12, no. 3, pp. 27–46. doi:10.17759/chp.2016120303. (In Russ., in Engl.)	6620
8	Rubtsov V.V. Cultural-Historical Scientific School: the Issues that L.S. Vygotsky Brought up. Cultural-Historical Psychology, 2016. Vol. 12, no. 3, pp. 4–14. doi:10.17759/chp.2016120301.	5893
9	Zaretsky V.K. Vygotsky's Principle "One Step in Learning – One Hundred Steps in Development": From Idea To Practice. Cultural-Historical Psychology, 2016. Vol. 12, no. 3, pp. 149–188. doi:10.17759/chp.2016120309. (In Russ., in Engl.)	5868
10	Kholmogorova A.B. Significance of Cultural-Historical Theory of Psychological Development of L.S. Vygotsky for the Development of Modern Models of Social Cognition and Psychotherapy . Cultural-Historical Psychology, 2016. Vol. 12, no. 3, pp. 58–92. doi:10.17759/chp.2016120305. (In Russ., in Engl.)	4359
	Rubtsova O.V., Daniels H. The Concept of Drama in Vygotsky's Theory: Application in Research. Cultural-Historical Psychology, 2016. Vol. 12, no. 3, pp. 189–207. doi:10.17759/chp.2016120310. (In Russ., in Engl.)	4246

CONCLUSION

The results of bibliometric analysis presented in the study confirms the data on an increase in the number of contemporary researches in cultural-historical psychology and the activity approach.

The terminological analysis has revealed that the contemporary stage in the development of cultural-historical psychology and the activity approach (in a broad sense) can be characterized to some extent by unity in the existence of common terms and the differences of using them.

But the thematic directions of the publications taking into account there *multi-voicedness* and terminological *polysemy*, indicates an urgent need to carry out a systematic and holistic analysis of research related to cultural-historical and activity topics within the broad context established by the various directions and research groups.

RELATED ARTICLES – BIBLIOMETRIC ANALYSIS CHP



1. Rubtsov V.V., Margolis A.A., Shvedovskaya A.A., Ponomareva V.V. Scientometric Analysis of Scientific Publications in Cultural-Historical Psychology Research Area. *Cultural-Historical Psychology*, 2019. Vol. 15, no. 4, pp. 119–132. doi:10.17759/chp.2019150412. (In Russ., abstr. in Engl.)
2. Shvedovskaya A.A. Developing the Ideas of the Scientific School of L.S. Vygotsky: Scientific Publications of the Journal “Cultural-Historical Psychology” (2005—2016). *Cultural-Historical Psychology*, 2016. Vol. 12, no. 3, pp. 47–57. doi:10.17759/chp.2016120304. (In Russ., abstr. in Engl.)



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