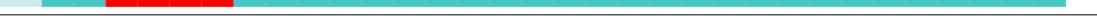
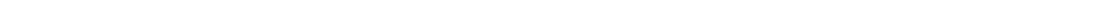
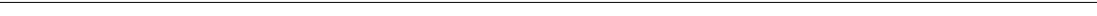


**Anexa 1** Termeni frecvenți în articole în diverse variante tehnice de indexare a informației.

ClusterID	Size	mean(Year)	Label (LSI)	Label (LLR)	Label (MI)
0	102	2010	epigenetics revolution; social structure; critical introduction; environmental epigenetics; gene regulation   heritability studies; phenotype development; epigenetics research; social structure; epigenetic switches	epigenetics revolution (58.08, 1.0E-4); social structure (55.13, 1.0E-4); environmental epigenetics (55.13, 1.0E-4); gene regulation (55.13, 1.0E-4); critical introduction (55.13, 1.0E-4)	epigenetics research (1.22); phenotype development
1	62	2016	parental genotype; genomic data; annual research review; genetic susceptibility; generation r study   polygenic score analyses; introducing social genetic parameter; genetic nature; nature-nurture debate; genetic parental influence	polygenic score analyses (62.9, 1.0E-4); introducing social genetic parameter (62.9, 1.0E-4); genetic nature (62.9, 1.0E-4); genetic parental influence (54.4, 1.0E-4); parental genotype (50.17, 1.0E-4)	either-or question (0.56); fertility behavior (0.5)
2	56	1993	antisocial behavior; nature-nurture integration; behavioral genetics; bioecological model; developmental perspective   childrens experience; family environment; genetic contribution; clinical management; danish twin study	nature-nurture integration (61.78, 1.0E-4); behavioral genetics (56.96, 1.0E-4); developmental perspective (52.15, 1.0E-4); bioecological model (52.15, 1.0E-4); nonshared influence (47.35, 1.0E-4)	fertility behavior (0.4); danish twin study (0.4);
3	51	2003	measured gene; investigating interaction; measured environment; research strategies; measured gene-environment interaction   murder trial; bad nature; slc6a4 genotyping; regarding maoa; bad nurture	measured environment (51.7, 1.0E-4); measured gene (51.7, 1.0E-4); investigating interaction (51.7, 1.0E-4); research strategies (47.97, 1.0E-4); psychopathology concepts research strategies (44.24, 1.0E-4)	either-or question (0.76); fertility behavior (0.7)
4	46	2007	learning abilities; socioeconomic policy-what; mental disorder; environment interaction; epigenetic medicine   social sensitivity; cultural difference; genetic contribution; genetic marker; school-based second language achievement	learning abilities (90.49, 1.0E-4); socioeconomic policy-what (61.45, 1.0E-4); mental disorder (56.65, 1.0E-4); environment interaction (56.65, 1.0E-4); chronic inflammatory disorder (51.87, 1.0E-4)	school-based second language achievement (0.41); e
5	42	2002	systemic lupus; ethnic group; initial damage; 10-year experience; further damage   disease course; multiethnic lupus cohort; self-reported health-related quality; patient visual analog scale score; disease activity	systemic lupus (145.37, 1.0E-4); ethnic group (77.05, 1.0E-4); initial damage (46.97, 1.0E-4); 10-year experience (41.02, 1.0E-4); further damage (35.1, 1.0E-4)	xlvii result (0.2); overall measure (0.2); short f
6	39	2001	antisocial behavior; maternal depression; nasty theory; preschool children; individual difference   developmental psychology; physical maltreatment; human brain structure; antisocial behavior; nasty theory	maternal depression (46.81, 1.0E-4); nasty theory (40.33, 1.0E-4); preschool children (40.33, 1.0E-4); genetic vulnerabilities (27.57, 1.0E-4); conduct problem (27.57, 1.0E-4)	developmental psychology (0.13); either-or questio
7	32	1998	developmental influence; mental health; developmental psychopathology; behavioural genetics; 21st century   21st century; behavioural genetics; developmental psychopathology; mental health; developmental influence	nature nurture (44.75, 1.0E-4); developmental influence (28.12, 1.0E-4); mental health (28.12, 1.0E-4); developmental psychopathology (13.11, 0.001); 21st century (9.24, 0.005)	21st century (0.02); behavioural genetics (0.02);
9	31	2005	postgenomic synthesis; semi-empirical analysis; galaxy evolution; sloan digital sky survey galaxies; deep2 galaxy redshift survey   coeducational setting; fine art; sex-related cognitive traits studies; espousing interaction; fielding reaction	postgenomic synthesis (51.59, 1.0E-4); semi-empirical analysis (46.36, 1.0E-4); galaxy evolution (46.36, 1.0E-4); sloan digital sky survey galaxies (46.36, 1.0E-4); deep2 galaxy redshift survey (41.15, 1.0E-4)	post hallock (0.31); de-siecle advance (0.31); hen

11	29	1995	genetic research; child psychiatry; integrating nature; genetic finding; developmental psychopathology   genetic finding; person-environment correlation; integrating nature; developmental psychopathology; genetic research	genetic research (24.36, 1.0E-4); child psychiatry (24.36, 1.0E-4); genetic finding (14.98, 0.001); person-environment correlation (7.39, 0.01); integrating nature (7.39, 0.01)	either-or question (0.01); fertility behavior (0.0
13	26	1988	intelligence; genetic influence; environmental measure; nature   environmental measure; nature; genetic influence; intelligence	quantitative genetics molecular-genetics (18.74, 1.0E-4); intelligence (18.74, 1.0E-4); genetic influence (8.35, 0.005); environmental measure (8.35, 0.005); nature (8.35, 0.005)	antisocial behavior (0.01); quantitative genetics
14	23	1989	disruptive behavior disorder; developmental epidemiology; heredity environment interplay; situational model; reaction range concept   heredity environment interplay; disruptive behavior disorder; developmental epidemiology; adoption studies; situational model	disruptive behavior disorder (28.95, 1.0E-4); developmental epidemiology (28.95, 1.0E-4); heredity environment interplay (19.15, 1.0E-4); situational model (19.15, 1.0E-4); developmental contextual (19.15, 1.0E-4)	adoption studies (0.02); heredity environment inte
16	21	2014	brain development; nurturing nature; 2nd edition; unified theory; classic debate   cultural neuroscience; chromatin remodeling; reversible phenotype; stable transmission; emerging role	nurturing nature (49.29, 1.0E-4); 2nd edition (49.29, 1.0E-4); unified theory (43.04, 1.0E-4); motivation personality (43.04, 1.0E-4); engineering roadmap response (36.82, 1.0E-4)	evolution stability (0.17); sex-linked behavior (0
20	14	2003	sport performance; nature-nurture dualism; either-or question	genes environment (31.74, 1.0E-4); sport performance (31.74, 1.0E-4); nature-nurture dualism (31.74, 1.0E-4); either-or question (10.35, 0.005); antisocial behavior (0.36, 1.0)	genes environment (0.01); sport performance (0.01)
24	11	1987	a critique of the scientific status of biological psychiatry	critique (13.03, 0.001); scientific status (13.03, 0.001); biological psychiatry (13.03, 0.001); antisocial behavior (0.11, 1.0); systemic lupus (0.09, 1.0)	antisocial behavior (0.01); systemic lupus (0.01);
25	11	2013	music ability; music practice; causal effect; expert performance; professional domain   expert performance; causal effect; multifactorial model; music ability; professional domain	causal effect (29.41, 1.0E-4); music ability (29.41, 1.0E-4); music practice (29.41, 1.0E-4); professional domain (19.45, 1.0E-4); expert performance (19.45, 1.0E-4)	multifactorial model (0.02); causal effect (0.02);
28	9	2008	dna methylation, the early-life social environment and behavioral disorders	behavioral disorder (10.26, 0.005); dna methylation (10.26, 0.005); early-life social environment (10.26, 0.005); antisocial behavior (0.11, 1.0); systemic lupus (0.09, 1.0)	antisocial behavior (0.01); systemic lupus (0.01);
34	7	2012	individual difference; human being; learning potential; shared environment; academic achievement   academic achievement; verbal intelligence; shared environment; learning potential; individual difference	nature nurture (34.77, 1.0E-4); learning potential (27.74, 1.0E-4); human being (27.74, 1.0E-4); individual difference (15.65, 1.0E-4); verbal intelligence (9.13, 0.005)	verbal intelligence (0.02); academic achievement (

**Anexa 2** Cele 38 de articole care au avut o citare accelerată (zona roșie) listate în ordinea perioadei în care s-a manifestat influența lor asupra dezvoltării cunoașterii.

References	Year	Strength	Begin	End	1990 - 2023
PLOMIN R, 1990, BEHAVIORAL GENETICS, V0, P0	1990	5	<b>1991</b>	1995	
PLOMIN R, 1987, BEHAV BRAIN SCI, V10, P1, DOI 10.1017/S0140525X00055941, <a href="#">DOI</a>	1987	4.65	<b>1991</b>	1992	
Neale M, 1992, METHODOLOGY GENETIC, V0, P0	1992	4.13	<b>1994</b>	1997	
[Anonymous], 1994, GENETICS EXPERIENCE, V0, P0	1994	7.89	<b>1995</b>	1997	
SCARR S, 1992, CHILD DEV, V63, P1, DOI 10.2307/1130897, <a href="#">DOI</a>	1992	5.45	<b>1995</b>	1997	
Rowe David C., 1994, LIMITS FAMILY INFLUE, V0, P0	1994	4.84	<b>1995</b>	1997	
Herrnstein R. J., 1994, BELL CURVE INTELLIGE, V0, P0	1994	3.63	<b>1995</b>	1997	
PLOMIN R, 1994, SCIENCE, V264, P1733, DOI 10.1126/science.8209254, <a href="#">DOI</a>	1994	5.24	<b>1996</b>	1999	
CADORET RJ, 1995, ARCH GEN PSYCHIAT, V52, P916	1995	3.91	<b>1996</b>	2000	
American Psychiatric Association, 2013, DIAGN STAT MAN MENT, V0, P0, DOI 10.1176/APPI BOOKS.9780890425596, <a href="#">DOI</a>	2013	3.79	<b>2013</b>	2005	
Plomin R., 1997, BEHAV GENETICS, V0, P0	1997	3.61	<b>1999</b>	2002	
Alarcon GS, 1999, LUPUS, V8, P197, DOI 10.1191/096120399678847704, <a href="#">DOI</a>	1999	5.47	<b>2002</b>	2004	
Caspi A, 2003, SCIENCE, V301, P386, DOI 10.1126/science.1083968, <a href="#">DOI</a>	2003	13.31	<b>2004</b>	2008	
Caspi A, 2002, SCIENCE, V297, P851, DOI 10.1126/science.1072290, <a href="#">DOI</a>	2002	8.93	<b>2004</b>	2007	
Plomin R, 2001, BEHAV GENETICS, V0, P0	2001	5.52	<b>2004</b>	2005	
Rutter M, 2002, ANNU REV PSYCHOL, V53, P463, DOI 10.1146/annurev.psych.53.100901.135223, <a href="#">DOI</a>	2002	4.91	<b>2004</b>	2005	
Weaver ICG, 2004, NAT NEUROSCI, V7, P847, DOI 10.1038/nn1276, <a href="#">DOI</a>	2004	3.74	<b>2005</b>	2009	
Jablonka E., 2005, EVOLUTION 4 DIMENSIO, V0, P0	2005	6.03	<b>2007</b>	2009	
Caspi A, 2006, NAT REV NEUROSCI, V7, P583, DOI 10.1038/nrn1925, <a href="#">DOI</a>	2006	4.17	<b>2008</b>	2010	
Plomin R., 2008, BEHAV GENET, V5th, P0	2008	5.36	<b>2009</b>	2013	
Risch N, 2009, JAMA-J AM MED ASSOC, V301, P2462, DOI 10.1001/jama.2009.878, <a href="#">DOI</a>	2009	7.03	<b>2010</b>	2014	

Oliver BR, 2007, TWIN RES HUM GENET, V10, P96, DOI 10.1375/twin.10.1.96, <a href="#">DOI</a>	2007	3.87	<b>2010</b>	2012	
Belsky J, 2009, MOL PSYCHIATR, V14, P746, DOI 10.1038/mp.2009.44, <a href="#">DOI</a>	2009	3.74	<b>2010</b>	2014	
McGowan PO, 2009, NAT NEUROSCI, V12, P342, DOI 10.1038/nn.2270, <a href="#">DOI</a>	2009	9.77	<b>2011</b>	2014	
Keller Evelyn Fox, 2010, MIRAGE SPACE NATURE, V0, P0	2010	8.26	<b>2011</b>	2015	
Roth TL, 2009, BIOL PSYCHIAT, V65, P760, DOI 10.1016/j.biopsych.2008.11.028, <a href="#">DOI</a>	2009	6.66	<b>2011</b>	2014	
Meaney MJ, 2010, CHILD DEV, V81, P41, DOI 10.1111/j.1467-8624.2009.01381.x, <a href="#">DOI</a>	2010	5.82	<b>2011</b>	2015	
Oberlander TF, 2008, EPIGENETICS-US, V3, P97, DOI 10.4161/epi.3.2.6034, <a href="#">DOI</a>	2008	5.59	<b>2011</b>	2013	
Feng J, 2010, NAT NEUROSCI, V13, P423, DOI 10.1038/nn.2514, <a href="#">DOI</a>	2010	4.09	<b>2011</b>	2014	
Karg K, 2011, ARCH GEN PSYCHIAT, V68, P444, DOI 10.1001/archgenpsychiatry.2010.189, <a href="#">DOI</a>	2011	4.7	<b>2012</b>	2016	
Murgatroyd C, 2009, NAT NEUROSCI, V12, P1559, DOI 10.1038/nn.2436, <a href="#">DOI</a>	2009	4.53	<b>2012</b>	2014	
Carey Nessa., 2012, EPIGENETICS REVOLUTI, V0, P0	2012	4.66	<b>2013</b>	2015	
Vicedo Marga, 2013, NATURE NURTURE LOVE, V0, P0	2013	7.87	<b>2014</b>	2016	
Plomin R, 2013, BEHAV GENETICS, V0, P0	2013	3.94	<b>2014</b>	2017	
Tabery J, 2014, VERSUS STRUGGLE UNDE, V0, P0	2014	7.33	<b>2015</b>	2017	
Polderman TJC, 2015, NAT GENET, V47, P702, DOI 10.1038/ng.3285, <a href="#">DOI</a>	2015	8.98	<b>2016</b>	2019	
Kong A, 2018, SCIENCE, V359, P424, DOI 10.1126/science.aan6877, <a href="#">DOI</a>	2018	7.24	<b>2018</b>	2023	
Lee JJ, 2018, NAT GENET, V50, P1112, DOI 10.1038/s41588-018-0147-3, <a href="#">DOI</a>	2018	5	<b>2018</b>	2021	