

**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)	xlvi 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 halleck (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	1991	1995	
PLOMIN R, 1987, BEHAV BRAIN SCI, V10, P1, DOI 10.1017/S0140525X00055941, <a href="#">DOI</a>	1987	4.65	1991	1992	
Neale M, 1992, METHODOLOGY GENETIC, V0, P0	1992	4.13	1994	1997	
[Anonymous], 1994, GENETICS EXPERIENCE, V0, P0	1994	7.89	1995	1997	
SCARR S, 1992, CHILD DEV, V63, P1, DOI 10.2307/1130897, <a href="#">DOI</a>	1992	5.45	1995	1997	
Rowe David C., 1994, LIMITS FAMILY INFLUE, V0, P0	1994	4.84	1995	1997	
Herrnstein R. J., 1994, BELL CURVE INTELLIGE, V0, P0	1994	3.63	1995	1997	
PLOMIN R, 1994, SCIENCE, V264, P1733, DOI 10.1126/science.8209254, <a href="#">DOI</a>	1994	5.24	1996	1999	
CADORET RJ, 1995, ARCH GEN PSYCHIAT, V52, P916	1995	3.91	1996	2000	
American Psychiatric Association, 2013, DIAGN STAT MAN MENT, V0, P0, DOI 10.1176/APPI.BOOKS.9780890425596, <a href="#">DOI</a>	2013	3.79	2013	2005	
Plomin R., 1997, BEHAV GENETICS, V0, P0	1997	3.61	1999	2002	
Alarcon GS, 1999, LUPUS, V8, P197, DOI 10.1191/096120399678847704, <a href="#">DOI</a>	1999	5.47	2002	2004	
Caspi A, 2003, SCIENCE, V301, P386, DOI 10.1126/science.1083968, <a href="#">DOI</a>	2003	13.31	2004	2008	
Caspi A, 2002, SCIENCE, V297, P851, DOI 10.1126/science.1072290, <a href="#">DOI</a>	2002	8.93	2004	2007	
Plomin R, 2001, BEHAV GENETICS, V0, P0	2001	5.52	2004	2005	
Rutter M, 2002, ANNU REV PSYCHOL, V53, P463, DOI 10.1146/annurev.psych.53.100901.135223, <a href="#">DOI</a>	2002	4.91	2004	2005	
Weaver ICG, 2004, NAT NEUROSCI, V7, P847, DOI 10.1038/nm1276, <a href="#">DOI</a>	2004	3.74	2005	2009	
Jablonka E., 2005, EVOLUTION 4 DIMENSIO, V0, P0	2005	6.03	2007	2009	
Caspi A, 2006, NAT REV NEUROSCI, V7, P583, DOI 10.1038/nrn1925, <a href="#">DOI</a>	2006	4.17	2008	2010	
Plomin R., 2008, BEHAV GENET, V5th, P0	2008	5.36	2009	2013	
Risch N, 2009, JAMA-J AM MED ASSOC, V301, P2462, DOI 10.1001/jama.2009.878, <a href="#">DOI</a>	2009	7.03	2010	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/nm.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/nm.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/nm.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	