

Manolis Plionis

List of Publications by Year in descending order

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152
papers

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citations

126907

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158
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158
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2701
citing authors

#	ARTICLE	IF	CITATIONS
1	The XXL Survey. <i>Astronomy and Astrophysics</i> , 2016, 592, A1.	5.1	199
2	Constraining the Dark Energy Equation of State using Alternative High-z Cosmic Tracers. , 2010, , .		190
3	The Aspenâ€“Amsterdam void finder comparison project. <i>Monthly Notices of the Royal Astronomical Society</i> , 2008, 387, 933-944.	4.4	162
4	Hubble expansion and structure formation in time varying vacuum models. <i>Physical Review D</i> , 2009, 80, .	4.7	160
5	Hubble expansion and structure formation in the “running FLRW model” of the cosmic evolution. <i>Journal of Cosmology and Astroparticle Physics</i> , 2011, 2011, 007-007.	5.4	87
6	The XXL Survey. <i>Astronomy and Astrophysics</i> , 2018, 620, A5.	5.1	81
7	The size and shape of local voids. <i>Monthly Notices of the Royal Astronomical Society</i> , 2002, 330, 399-404.	4.4	77
8	The Lâ€“f relation for massive bursts of star formation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 442, 3565-3597.	4.4	74
9	An independent determination of the local Hubble constant. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 474, 1250-1276.	4.4	69
10	Searching for cluster substructure using APM and ROSAT data. <i>Monthly Notices of the Royal Astronomical Society</i> , 2001, 320, 49-60.	4.4	66
11	Confronting dark energy models using galaxy cluster number counts. <i>Physical Review D</i> , 2010, 82, .	4.7	60
12	On the road to precision cosmology with high-redshift Hâ€“ii galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 451, 3001-3010.	4.4	60
13	Position angles and alignments of clusters of galaxies. <i>Astrophysical Journal, Supplement Series</i> , 1994, 95, 401.	7.7	60
14	Minkowski functionals of Abell/ACO clusters. <i>Monthly Notices of the Royal Astronomical Society</i> , 1997, 284, 73-84.	4.4	58
15	Local and Largeâ€“Scale Environment of Seyfert Galaxies. <i>Astrophysical Journal</i> , 2006, 639, 37-45.	4.5	58
16	Determining the Hubble constant using giant extragalactic H <sc>ii</sc> regions and H <sc>i</sc> galaxies. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2012, 425, L56-L60.	3.3	58
17	The cluster substructureâ€“alignment connection. <i>Monthly Notices of the Royal Astronomical Society</i> , 2002, 329, L47-L51.	4.4	56
18	Clustering, bias and the accretion mode of X-ray-selected AGN. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 428, 1382-1394.	4.4	56

#	ARTICLE	IF	CITATIONS
19	Constraining the dark energy equation of state with $H\alpha$ galaxies. Monthly Notices of the Royal Astronomical Society, 2016, 462, 2431-2439.	4.4	54
20	The shape-alignment relation in Λ cold dark matter cosmic structures. Monthly Notices of the Royal Astronomical Society, 2006, 365, 539-547.	4.4	49
21	The XXL Survey. Astronomy and Astrophysics, 2018, 620, A10.	5.1	49
22	Projected and intrinsic shapes of galaxy clusters. Monthly Notices of the Royal Astronomical Society, 1991, 249, 662-677.	4.4	48
23	Galaxy Alignments as a Probe of the Dynamical State of Clusters. Astrophysical Journal, 2003, 594, 144-153.	4.5	47
24	A strategy to measure the dark energy equation of state using the $H\alpha$ galaxy Hubble function and X-ray active galactic nuclei clustering: preliminary results. Monthly Notices of the Royal Astronomical Society, 2011, 416, 2981-2996.	4.4	44
25	PSCz superclusters: detection, shapes and cosmological implications. Monthly Notices of the Royal Astronomical Society, 2001, 323, 47-55.	4.4	43
26	Spherical collapse model in time varying vacuum cosmologies. Physical Review D, 2010, 82, .	4.7	42
27	Cosmological constraints from the clustering properties of the X-ray Brightest Abell-type Cluster sample. Monthly Notices of the Royal Astronomical Society, 1999, 305, 866-874.	4.4	41
28	Independent cosmological constraints from high- z $H\alpha$ galaxies. Monthly Notices of the Royal Astronomical Society, 2019, 487, 4669-4694.	4.4	39
29	The XMM-Newton/2dF Survey – VI. Clustering and bias of the soft X-ray point sources. Monthly Notices of the Royal Astronomical Society, 2005, 356, 183-191.	4.4	38
30	The shape of poor groups of galaxies. Monthly Notices of the Royal Astronomical Society, 2004, 352, 1323-1328.	4.4	35
31	Disentangling the AGN and star formation connection using <i>XMM-Newton</i> . Astronomy and Astrophysics, 2018, 618, A31.	5.1	35
32	Evidence for large-scale structure on scales about $\sim 300 h^{-1}$ Mpc. Monthly Notices of the Royal Astronomical Society, 1991, 249, 46-61.	4.4	34
33	The apparent and intrinsic shape of the APM galaxy clusters. Monthly Notices of the Royal Astronomical Society, 2000, 316, 779-785.	4.4	34
34	Supercluster properties as a cosmological probe. Monthly Notices of the Royal Astronomical Society, 2002, 331, 1020-1026.	4.4	34
35	Environmental influences on the morphology and dynamics of group-sized haloes. Monthly Notices of the Royal Astronomical Society, 2007, 377, 1785-1794.	4.4	34
36	Large-scale structure in the H I Parkes All-Sky Survey: filling the voids with H I galaxies?. Monthly Notices of the Royal Astronomical Society, 2007, 378, 301-308.	4.4	34

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37	Independent cosmological constraints from high-z H ₂ galaxies: new results from VLT-KMOS data. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 505, 1441-1457.	4.4	33
38	The XXL Survey. <i>Astronomy and Astrophysics</i> , 2016, 592, A5.	5.1	33
39	The Clustering of XMM-Newton Hard X-Ray Sources. <i>Astrophysical Journal</i> , 2004, 607, L79-L82.	4.5	32
40	The X-Ray Cluster Dipole. <i>Astrophysical Journal</i> , 1998, 500, 1-7.	4.5	32
41	Angular correlation functions of X-ray point-like sources in the full exposure XMM-LSS field. <i>Astronomy and Astrophysics</i> , 2012, 537, A131.	5.1	31
42	Cosmological Evolution of Linear Bias. <i>Astrophysical Journal</i> , 2001, 550, 522-527.	4.5	31
43	Recent Dynamical Evolution of Galaxy Clusters. <i>Astrophysical Journal</i> , 2002, 572, L67-L70.	4.5	31
44	Constraining the power spectrum using clusters. <i>New Astronomy</i> , 1997, 1, 321-347.	1.8	30
45	The angular correlation function of the ROSAT All-Sky Survey Bright Source Catalogue. <i>Monthly Notices of the Royal Astronomical Society</i> , 2000, 318, 1036-1040.	4.4	29
46	The XMM-Newton/2dF survey II. The nature of X-ray-faint optically bright X-ray sources. <i>Monthly Notices of the Royal Astronomical Society</i> , 2004, 349, 135-145.	4.4	29
47	Luminosity-dependent X-Ray Active Galactic Nucleus Clustering?. <i>Astrophysical Journal</i> , 2008, 674, L5-L8.	4.5	29
48	The XXL Survey. <i>Astronomy and Astrophysics</i> , 2018, 620, A1.	5.1	29
49	A Three-dimensional Study of the Local Environment of Bright IRAS Galaxies: The Active Galactic Nucleus Starburst Connection. <i>Astrophysical Journal</i> , 2006, 651, 93-100.	4.5	28
50	The XXL Survey. <i>Astronomy and Astrophysics</i> , 2018, 620, A12.	5.1	28
51	Topology in two dimensions - I. The Lick Galaxy Catalogue. <i>Monthly Notices of the Royal Astronomical Society</i> , 1991, 250, 75-88.	4.4	27
52	The Halo Mass Bias Redshift Evolution in the Λ CDM Cosmology. <i>Astrophysical Journal</i> , 2008, 678, 627-634.	4.5	27
53	Reconstructing Positions and Peculiar Velocities of Galaxy Clusters within 25,000 Kilometers per Second: The Cluster Real Space Dipole. <i>Astrophysical Journal</i> , 1996, 460, 569.	4.5	27
54	The relation between halo shape, velocity dispersion and formation time. <i>Monthly Notices of the Royal Astronomical Society</i> , 2010, 407, 581-589.	4.4	26

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55	BREAKING THE γ 8 $\hat{\otimes}$ m DEGENERACY USING THE CLUSTERING OF HIGH- z X-RAY ACTIVE GALACTIC NUCLEI. <i>Astrophysical Journal Letters</i> , 2010, 714, L185-L189.	8.3	26
56	Could dark matter interactions be an alternative to dark energy?. <i>Astronomy and Astrophysics</i> , 2009, 507, 47-52.	5.1	25
57	Activity of the Seyfert galaxy neighbours. <i>Astronomy and Astrophysics</i> , 2013, 552, A135.	5.1	24
58	Morphological and Dynamical Properties of Low-Redshift Two Degree Field Galaxy Redshift Survey Groups. <i>Astrophysical Journal</i> , 2006, 650, 770-776.	4.5	23
59	Clustering of galaxy clusters. II - Rare events in the cluster distribution. <i>Astrophysical Journal</i> , 1992, 398, 12.	4.5	23
60	Reconstructing Positions and Peculiar Velocities of Galaxy Clusters within 25,000 Kilometers per Second: The Bulk Velocity. <i>Astrophysical Journal</i> , 1996, 461, .	4.5	22
61	X-ray AGN in the XMM-LSS galaxy clusters: no evidence of AGN suppression. <i>Astronomy and Astrophysics</i> , 2014, 567, A83.	5.1	22
62	Classification and environmental properties of X-ray selected point-like sources in the XMM-LSS field. <i>Astronomy and Astrophysics</i> , 2013, 557, A81.	5.1	22
63	Galaxy Bias in Quintessence Cosmological Models. <i>Astrophysical Journal</i> , 2003, 593, L61-L64.	4.5	21
64	LUMINOUS X-RAY ACTIVE GALACTIC NUCLEI IN CLUSTERS OF GALAXIES. <i>Astrophysical Journal Letters</i> , 2010, 714, L181-L184.	8.3	21
65	The cluster distribution as a test of dark matter models – III. The cluster velocity field. <i>Monthly Notices of the Royal Astronomical Society</i> , 1996, 282, 384-400.	4.4	20
66	Cluster versus POTENT density and velocity fields: cluster biasing and $\hat{\wedge}$. <i>Monthly Notices of the Royal Astronomical Society</i> , 2000, 313, 491-503.	4.4	20
67	Galaxy cluster's rotation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 465, 2616-2633.	4.4	20
68	The XXL Survey. <i>Astronomy and Astrophysics</i> , 2018, 620, A20.	5.1	20
69	THE RELATION BETWEEN MORPHOLOGY AND DYNAMICS OF POOR GROUPS OF GALAXIES. <i>Astrophysical Journal</i> , 2009, 696, 1441-1447.	4.5	19
70	The PSCz dipole revisited. <i>Monthly Notices of the Royal Astronomical Society</i> , 2006, 373, 1112-1116.	4.4	18
71	Precision growth index using the clustering of cosmic structures and growth data. <i>Journal of Cosmology and Astroparticle Physics</i> , 2014, 2014, 042-042.	5.4	18
72	The XXL Survey XIV. AAOmega Redshifts for the Southern XXL Field. <i>Publications of the Astronomical Society of Australia</i> , 2016, 33, .	3.4	18

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73	AzTEC 1.1Åmm observations of high-z protocluster environments: SMG overdensities and misalignment between AGN jets and SMG distribution. Monthly Notices of the Royal Astronomical Society, 2018, 479, 4577-4632.	4.4	18
74	Physical properties of Hickson compact groups and of the loose groups within which they are embedded. Astronomy and Astrophysics, 2006, 456, 839-846.	5.1	18
75	Mining for normal galaxies in the first XMM-Newton Serendipitous Source Catalog. Monthly Notices of the Royal Astronomical Society, 2006, 367, 1017-1028.	4.4	17
76	TheXMM-Newton/2dF survey - III. Comparison between optical and X-ray cluster detection methods. Monthly Notices of the Royal Astronomical Society, 2004, 351, 989-996.	4.4	16
77	Cosmological constraints from X-ray AGN clustering and Type Ia supernova data. Monthly Notices of the Royal Astronomical Society: Letters, 2005, 360, L35-L38.	3.3	16
78	The XXL Survey. Astronomy and Astrophysics, 2016, 592, A11.	5.1	15
79	The XXL Survey. Astronomy and Astrophysics, 2018, 620, A8.	5.1	15
80	The cluster distribution as a test of dark matter models - II. The dipole structure. Monthly Notices of the Royal Astronomical Society, 1995, 277, 1210-1224.	4.4	14
81	The X-ray luminosity function of local galaxies. Monthly Notices of the Royal Astronomical Society, 1999, 305, L31-L34.	4.4	14
82	The Morphological and Luminosity Content of Poor Galaxy Groups. Astrophysical Journal, 2004, 617, L111-L114.	4.5	14
83	Dynamics and constraints of the massive graviton dark matter flat cosmologies. Physical Review D, 2011, 83, .	4.7	14
84	A consistent comparison of bias models using observational data. Monthly Notices of the Royal Astronomical Society, 2012, 422, 106-116.	4.4	14
85	Clustering of galaxy clusters. I - Is the spatial cluster-cluster correlation function enhanced significantly by contaminations?. Astrophysical Journal, 1992, 389, 499.	4.5	14
86	Using our newest VLT-KMOS HII galaxies and other cosmic tracers to test the Lambda cold dark matter tension. Monthly Notices of the Royal Astronomical Society, 2021, 509, 224-231.	4.4	14
87	The cluster distribution as a test of dark matter models - I. Clustering properties. Monthly Notices of the Royal Astronomical Society, 1995, 277, 1191-1209.	4.4	13
88	Large-Scale Coherent Dipole Anisotropy?. Monthly Notices of the Royal Astronomical Society, 1998, 299, 637-642.	4.4	13
89	The Needles in the Haystack Survey: searching for X-ray-selected normal galaxies. Monthly Notices of the Royal Astronomical Society, 2004, 354, 123-126.	4.4	13
90	Constraining the Cold Dark Matter Spectrum Normalization in Flat Dark Energy Cosmologies. Astrophysical Journal, 2006, 650, L1-L4.	4.5	13

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91	The Serendipitous XMM-Newton Cluster Athens Survey (SEXCLAS): sample selection and the cluster log N-log S. Monthly Notices of the Royal Astronomical Society, 2006, 366, 163-170.	4.4	13
92	The XXL Survey. Astronomy and Astrophysics, 2018, 620, A4.	5.1	13
93	Topology in two dimensions - IV. CDM models with non-Gaussian initial conditions. Monthly Notices of the Royal Astronomical Society, 1993, 260, 572-588.	4.4	12
94	The QDOT and cluster dipoles: evidence for a low-ohm0 Universe?. Monthly Notices of the Royal Astronomical Society, 1993, 262, 465-474.	4.4	12
95	XMM-Newton Observations of Optically Selected Sloan Digital Sky Survey Clusters. Astrophysical Journal, 2005, 622, L17-L20.	4.5	12
96	The XXL Survey. Astronomy and Astrophysics, 2018, 620, A16.	5.1	12
97	Large-scale optical dipole anisotropy. Monthly Notices of the Royal Astronomical Society, 1988, 234, 401-416.	4.4	11
98	Dynamics and constraints of the dissipative Liouville cosmology. Astroparticle Physics, 2012, 36, 7-17.	4.3	11
99	The XXL Survey. Astronomy and Astrophysics, 2018, 620, A7.	5.1	11
100	Internal kinematics of giant H α regions in M101 with the Keck Cosmic Web Imager. Monthly Notices of the Royal Astronomical Society, 2020, 495, 4347-4365.	4.4	11
101	The ROSAT X-ray background dipole. Monthly Notices of the Royal Astronomical Society, 1999, 306, 112-116.	4.4	10
102	Richness dependence of the recent evolution of clusters of galaxies. Monthly Notices of the Royal Astronomical Society, 2009, 395, 2-10.	4.4	10
103	Generalized evolution of linear bias: A tool to test gravity. Physical Review D, 2011, 83, .	4.7	10
104	Testing general relativity using the evolution of linear bias. Physical Review D, 2012, 85, .	4.7	10
105	The XXL Survey. Astronomy and Astrophysics, 2018, 620, A6.	5.1	10
106	Multifractal analysis of cluster distribution in two dimensions. Astrophysical Journal, 1993, 404, 21.	4.5	10
107	The XXL survey. Astronomy and Astrophysics, 2022, 663, A3.	5.1	10
108	Topology in two dimensions - II. The Abell and ACO cluster catalogues. Monthly Notices of the Royal Astronomical Society, 1992, 258, 114-124.	4.4	9

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109	The <sc>XXL</sc> survey: First results and future. <i>Astronomische Nachrichten</i> , 2017, 338, 334-341.	1.2	9
110	The $L_{\text{H}\alpha}$ relation for HII galaxies in green. <i>Astronomy and Astrophysics</i> , 2017, 599, A76.	5.1	9
111	Galaxy and cluster biasing from Local Group dynamics. <i>Monthly Notices of the Royal Astronomical Society</i> , 2000, 313, 8-12.	4.4	8
112	The XXL Survey. <i>Astronomy and Astrophysics</i> , 2018, 620, A15.	5.1	8
113	The XXL Survey. <i>Astronomy and Astrophysics</i> , 2018, 620, A17.	5.1	8
114	The angular distribution of clusters in skewed CDM models. <i>Monthly Notices of the Royal Astronomical Society</i> , 1994, 266, 524-544.	4.4	7
115	Modelling the two-point correlation function of galaxy clusters in the Sloan Digital Sky Survey. <i>Monthly Notices of the Royal Astronomical Society</i> , 2004, 349, 882-888.	4.4	7
116	Environmental Effects of Dark Matter Halos: The Clustering-Substructure Relation of Group-Size Halos. <i>Astrophysical Journal</i> , 2007, 666, L5-L8.	4.5	7
117	Large-scale angular correlations in cold dark matter models. <i>Astrophysical Journal</i> , 1993, 413, L55.	4.5	7
118	Dynamical Evolution of Clusters of Galaxies. , 1990, , 231-256.		6
119	Dependence of clustering of X-ray AGN on obscuration. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 481, 3063-3069.	4.4	6
120	On the $L_{\text{X}} - \sigma_{\text{v}}$ relation of groups of galaxies. <i>Astronomy and Astrophysics</i> , 2004, 416, 441-446.	5.1	6
121	Moments of the cluster distribution as a test of dark matter models. <i>Astrophysical Journal</i> , 1995, 441, L57.	4.5	6
122	The cluster distribution as a test of dark matter models -- IV. Topology and geometry. <i>Monthly Notices of the Royal Astronomical Society</i> , 1998, 294, 245-258.	4.4	5
123	Interacting Dark Matter as an Alternative to Dark Energy. , 2010, , .		5
124	The environment of HII galaxies revisited. <i>Astronomy and Astrophysics</i> , 2013, 554, A13.	5.1	5
125	Galaxy clusters as biased tracers of the galaxy distribution. <i>Monthly Notices of the Royal Astronomical Society</i> , 1992, 254, 306-314.	4.4	4
126	Cosmological implications of the PSCz PDF and its moments. <i>Monthly Notices of the Royal Astronomical Society</i> , 2001, 327, L32-L36.	4.4	4

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127	Precision cosmology from X-ray AGN clustering. Monthly Notices of the Royal Astronomical Society: Letters, 2009, 400, L57-L60.	3.3	4
128	Cosmological constraints using the newest VLT-KMOS H α galaxies and the full <i>Planck</i> CMB spectrum. Monthly Notices of the Royal Astronomical Society, 2021, 506, 5039-5045.	4.4	4
129	TheXMM-Newton/2dF survey - VIII. The extended X-ray sources. Monthly Notices of the Royal Astronomical Society, 2005, 363, 811-817.	4.4	3
130	Direct measurement of lensing amplification in Abell S1063 using a strongly lensed high redshift HII galaxy. Astronomy and Astrophysics, 2016, 592, L7.	5.1	3
131	Dependence on the environment of the abundance function of light-cone simulation dark matter haloes. Astronomy and Astrophysics, 2018, 616, A137.	5.1	3
132	The Quest for the Cosmological Parameters. Lecture Notes in Physics, 2002, , 147-207.	0.7	3
133	The angular three-point function of galaxy clusters. Astrophysical Journal, 1992, 395, 339.	4.5	3
134	The large-scale environment of groups and clusters of galaxies. Proceedings of the International Astronomical Union, 2004, 2004, .	0.0	2
135	Comparison of the linear bias models in the light of the Dark Energy Survey. Monthly Notices of the Royal Astronomical Society, 2018, 476, 2621-2628.	4.4	2
136	On the determination of dipoles from incomplete galaxy catalogues. Monthly Notices of the Royal Astronomical Society, 1989, 238, 417-425.	4.4	1
137	Modelling the X-ray cluster dipole and cluster contribution to the soft X-ray background. Monthly Notices of the Royal Astronomical Society, 1998, 295, 19-32.	4.4	1
138	The dark energy equation of state using alternative cosmic high- z tracers. Journal of Physics: Conference Series, 2010, 222, 012025.	0.4	1
139	Comparison of spatial and angular clustering of X-ray AGN. Astronomy and Astrophysics, 2016, 590, A23.	5.1	1
140	A simulated annealing algorithm to quantify patterns in astronomical data. Monthly Notices of the Royal Astronomical Society, 2019, 490, 5904-5920.	4.4	1
141	Large-Scale Environmental Effects of the Cluster Distribution. Astrophysics and Space Science Library, 2002, , 299-311.	2.7	1
142	Cosmological Evolution of Linear Bias. Astrophysical Journal, 2001, 557, 494-494.	4.5	1
143	The Topology of Galaxy Clustering. , 1991, , 75-79.		0
144	The one-point cluster distribution function and its moments. Monthly Notices of the Royal Astronomical Society, 1995, , .	4.4	0

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145	Exploring Distant Galaxies with Chandra. AIP Conference Proceedings, 2006, , .	0.4	0
146	Cosmic acceleration without dark energy. Journal of Physics: Conference Series, 2009, 189, 012004.	0.4	0
147	Constraints on Growth Index from LSS. Proceedings of the International Astronomical Union, 2014, 10, 255-257.	0.0	0
148	Dependence of the dynamical properties of light-cone simulation dark matter halos on their environment. Astronomy and Astrophysics, 2021, 647, A74.	5.1	0
149	THE XMM-NEWTON/2DF SURVEY. , 2004, , .		0
150	THE CLUSTERING OF XMM- <i>NEWTON</i> HARD X-RAY SOURCES. , 2004, , .		0
151	COSMOLOGY FROM XMM HIGH-Z AGN CLUSTERING. , 2007, , .		0
152	Comparing the Mark III and Abell/ACO Density and Velocity Fields. Globular Clusters - Guides To Galaxies, 1997, , 322-324.	0.1	0