

# Beverley R Green

## List of Publications by Year in descending order

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131  
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7368  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Genome of the Diatom <i>Thalassiosira Pseudonana</i> : Ecology, Evolution, and Metabolism. <i>Science</i> , 2004, 306, 79-86.	12.6	1,862
2	The <i>Phaeodactylum</i> genome reveals the evolutionary history of diatom genomes. <i>Nature</i> , 2008, 456, 239-244.	27.8	1,458
3	Algal genomes reveal evolutionary mosaicism and the fate of nucleomorphs. <i>Nature</i> , 2012, 492, 59-65.	27.8	377
4	<i>Cyanophora paradoxa</i> Genome Elucidates Origin of Photosynthesis in Algae and Plants. <i>Science</i> , 2012, 335, 843-847.	12.6	371
5	Single gene circles in dinoflagellate chloroplast genomes. <i>Nature</i> , 1999, 400, 155-159.	27.8	337
6	Evolutionary genomics of the cold-adapted diatom <i>Fragilariopsis cylindrus</i> . <i>Nature</i> , 2017, 541, 536-540.	27.8	332
7	Chloroplast genomes of photosynthetic eukaryotes. <i>Plant Journal</i> , 2011, 66, 34-44.	5.7	300
8	Chlorophyll a/b-binding proteins: an extended family. <i>Trends in Biochemical Sciences</i> , 1991, 16, 181-186.	7.5	273
9	Insights into the red algae and eukaryotic evolution from the genome of <i>Porphyra umbilicalis</i> (Bangiophyceae, Rhodophyta). <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E6361-E6370.	7.1	233
10	A Phylogenetic Assessment of the Eukaryotic Light-Harvesting Antenna Proteins, with Implications for Plastid Evolution. <i>Journal of Molecular Evolution</i> , 1999, 48, 59-68.	1.8	230
11	Biochemical and biophysical properties of thylakoid acyl lipids. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1991, 1060, 133-158.	1.0	225
12	Independent evolution of the prochlorophyte and green plant chlorophyll a/b light-harvesting proteins. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1996, 93, 15244-15248.	7.1	223
13	Evidence for a common origin of chloroplasts with light-harvesting complexes of different pigmentation. <i>Nature</i> , 1994, 367, 566-568.	27.8	187
14	Chloroplast genomes of the diatoms <i>Phaeodactylum tricornutum</i> and <i>Thalassiosira pseudonana</i> : comparison with other plastid genomes of the red lineage. <i>Molecular Genetics and Genomics</i> , 2007, 277, 427-439.	2.1	184
15	Fractionation of Thylakoid Membranes with the Nonionic Detergent Octyl-β-d-glucopyranoside. <i>Plant Physiology</i> , 1980, 66, 428-432.	4.8	183
16	Photoprotection in the diatom <i>Thalassiosira pseudonana</i> : Role of LI818-like proteins in response to high light stress. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2010, 1797, 1449-1457.	1.0	173
17	Phylogeny of Ultra-Rapidly Evolving Dinoflagellate Chloroplast Genes: A Possible Common Origin for Sporozoan and Dinoflagellate Plastids. <i>Journal of Molecular Evolution</i> , 2000, 51, 26-40.	1.8	162
18	A nomenclature for the genes encoding the chlorophylla/b-binding proteins of higher plants. <i>Plant Molecular Biology Reporter</i> , 1992, 10, 242-253.	1.8	155

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19	Mosaic Origin of the Heme Biosynthesis Pathway in Photosynthetic Eukaryotes. <i>Molecular Biology and Evolution</i> , 2005, 22, 2343-2353.	8.9	152
20	Second- and third-hand chloroplasts in dinoflagellates: Phylogeny of oxygen-evolving enhancer 1 (PsbO) protein reveals replacement of a nuclear-encoded plastid gene by that of a haptophyte tertiary endosymbiont. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 9294-9299.	7.1	150
21	The chlorophyll-protein complexes of higher plant photosynthetic membranes or Just what green band is that?. <i>Photosynthesis Research</i> , 1988, 15, 3-32.	2.9	149
22	Sequence conservation of light-harvesting and stress-response proteins in relation to the three-dimensional molecular structure of LHCII. <i>Photosynthesis Research</i> , 1995, 44, 139-148.	2.9	136
23	Characterization of a spinachpsbScDNA encoding the 22 kDa protein of photosystem II. <i>FEBS Letters</i> , 1992, 314, 67-71.	2.8	99
24	Simulation of Pulse-Amplitude-Modulated (PAM) fluorescence: Limitations of some PAM-parameters in studying environmental stress effects. <i>Photosynthetica</i> , 2005, 43, 75-83.	1.7	86
25	Photosystem II Photoinactivation, Repair, and Protection in Marine Centric Diatoms. <i>Plant Physiology</i> , 2012, 160, 464-476.	4.8	86
26	Complex repeat structures and novel features in the mitochondrial genomes of the diatoms <i>Phaeodactylum tricornutum</i> and <i>Thalassiosira pseudonana</i> . <i>Gene</i> , 2011, 476, 20-26.	2.2	85
27	Diversification of a Chimaeric Algal Group, the Chlorarachniophytes: Phylogeny of Nuclear and Nucleomorph Small-Subunit rRNA Genes. <i>Molecular Biology and Evolution</i> , 1999, 16, 321-331.	8.9	82
28	After the primary endosymbiosis: an update on the chromalveolate hypothesis and the origins of algae with Chl c. <i>Photosynthesis Research</i> , 2011, 107, 103-115.	2.9	71
29	The Nuclear-encoded Chlorophyll-binding Photosystem II-S Protein Is Stable in the Absence of Pigments. <i>Journal of Biological Chemistry</i> , 1995, 270, 30141-30147.	3.4	70
30	Evolution of Dinoflagellate Unigenic Minicircles and the Partially Concerted Divergence of Their Putative Replicon Origins. <i>Molecular Biology and Evolution</i> , 2002, 19, 489-500.	8.9	69
31	Single-residue insertion switches the quaternary structure and exciton states of cryptophyte light-harvesting proteins. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E2666-75.	7.1	65
32	A new member of the CAB gene family: structure, expression and chromosomal location of Cab-8, the tomato gene encoding the Type III chlorophyll a/b-binding polypeptide of photosystem I. <i>Plant Molecular Biology</i> , 1989, 12, 257-270.	3.9	64
33	The intrinsic 22 kDa protein is a chlorophyll-binding subunit of photosystem II. <i>FEBS Letters</i> , 1994, 342, 261-266.	2.8	64
34	Relationship between the two minor chlorophyll a-protein complexes and the Photosystem II reaction centre. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1983, 724, 291-293.	1.0	62
35	Polypeptides belonging to each of the three major chlorophyll a + b protein complexes are present in a chlorophyll-b-less barley mutant. <i>FEBS Journal</i> , 1987, 165, 531-535.	0.2	56
36	Nucleotide sequence and chromosomal location of Cab11 and Cab12, the genes for the fourth polypeptide of the photosystem I light-harvesting antenna (LHCI). <i>FEBS Letters</i> , 1991, 280, 229-234.	2.8	53

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37	The kinetic complexity of Acetabularia chloroplast DNA. <i>Nucleic Acids and Protein Synthesis</i> , 1978, 521, 67-73.	1.7	50
38	Spectroscopic Studies of Cryptophyte Light Harvesting Proteins: Vibrations and Coherent Oscillations. <i>Journal of Physical Chemistry B</i> , 2015, 119, 10025-10034.	2.6	50
39	Antibodies to the photosystem I chlorophyll a+b antenna cross-react with polypeptides of CP29 and LHCII. <i>FEBS Journal</i> , 1987, 163, 545-551.	0.2	49
40	The chlorophyll ab complex, CP29, is associated with the Photosystem II reaction centre core. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1989, 974, 180-184.	1.0	49
41	The fucoxanthin-chlorophyll proteins from a chromophyte alga are part of a large multigene family: structural and evolutionary relationships to other light harvesting antennae. <i>Molecular Genetics and Genomics</i> , 1996, 253, 377-386.	2.4	49
42	Chlorophyll a/b binding (CAB) polypeptides of CP29, the internal chlorophyll a/b complex of PSII: characterization of the tomato gene encoding the 26 kDa (type 1) polypeptide, and evidence for a second CP29 polypeptide. <i>Molecular Genetics and Genomics</i> , 1991, 227, 277-284.	2.4	48
43	ENDOMEMBRANE STRUCTURE AND THE CHLOROPLAST PROTEIN TARGETING PATHWAY INHETEROSIGMA AKASHIWO(RAPHIDOPHYCEAE, CHROMISTA). <i>Journal of Phycology</i> , 2000, 36, 1135-1144.	2.3	48
44	The 38 kDa chlorophyll a/b protein of the prokaryote <i>Prochlorothrix hollandica</i> is encoded by a divergent pcb gene. <i>Plant Molecular Biology</i> , 1998, 36, 709-716.	3.9	45
45	A Family of Selfish Minicircular Chromosomes with Jumbled Chloroplast Gene Fragments from a Dinoflagellate. <i>Molecular Biology and Evolution</i> , 2001, 18, 1558-1565.	8.9	45
46	Hair morphogenesis in <i>Acetabularia mediterranea</i> : Temperature-dependent spacing and models of morphogen waves. <i>Protoplasma</i> , 1981, 106, 211-221.	2.1	44
47	Reconstitution of light-harvesting complexes and photosystem II cores into galactolipid and phospholipid liposomes.. <i>Journal of Cell Biology</i> , 1985, 100, 552-557.	5.2	42
48	Covalently closed minicircular DNA associated with <i>Acetabularia</i> chloroplasts. <i>Nucleic Acids and Protein Synthesis</i> , 1976, 447, 156-166.	1.7	41
49	The Evolution of Light-harvesting Antennas. <i>Advances in Photosynthesis and Respiration</i> , 2003, , 129-168.	1.0	41
50	Proteomic Amino-Termini Profiling Reveals Targeting Information for Protein Import into Complex Plastids. <i>PLoS ONE</i> , 2013, 8, e74483.	2.5	41
51	Isolation of PS II reaction centre and its relationship to the minor chlorophyll-protein complexes. <i>Journal of Cellular Biochemistry</i> , 1983, 23, 171-179.	2.6	40
52	Salt-mediated interactions between vesicles of the thylakoid lipid digalactosyldiacylglycerol. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1988, 938, 323-333.	2.6	40
53	The nature of the light-harvesting complex as defined by sodium dodecyl sulfate polyacrylamide gel electrophoresis. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1982, 681, 256-262.	1.0	39
54	Substitutional editing of <i>Heterocapsa triquetra</i> chloroplast transcripts and a folding model for its divergent chloroplast 16S rRNA. <i>Gene</i> , 2009, 442, 73-80.	2.2	39

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55	The chlorophyll-protein complexes of <i>Acetabularia</i> . A novel chlorophyll ab complex which forms oligomers. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1982, 681, 248-255.	1.0	38
56	Widespread Distribution of Some Minor Chlorophyll-Protein Complexes in Some Plants and Algae. <i>Plant Physiology</i> , 1981, 67, 1061-1063.	4.8	35
57	The Chloroplast Genome of Dinoflagellates ? A Reduced Instruction Set?. <i>Protist</i> , 2004, 155, 23-31.	1.5	34
58	Sequence of a tomato gene encoding a third type of LHCII chlorophyll a/b-binding polypeptide. <i>Plant Molecular Biology</i> , 1991, 17, 923-925.	3.9	31
59	Identification and transcription of transfer RNA genes in dinoflagellate plastid minicircles. <i>Gene</i> , 2007, 392, 291-298.	2.2	30
60	Sequence Analysis and Gene Expression of Potential Components of Copper Transport and Homeostasis in <i>Thalassiosira pseudonana</i> . <i>Protist</i> , 2015, 166, 58-77.	1.5	30
61	Replication of Chloroplast DNA of Tobacco. <i>Science</i> , 1966, 152, 1071-1074.	12.6	29
62	Protein synthesis by isolated <i>Acetabularia</i> chloroplasts. In vitro synthesis of the apoprotein of the P-700-chlorophyll a-protein complex (CP I). <i>Nucleic Acids and Protein Synthesis</i> , 1980, 609, 107-120.	1.7	29
63	Identification of the polypeptides of the major light-harvesting complex of photosystem II (LHCII) with their genes in tomato. <i>FEBS Letters</i> , 1992, 305, 18-22.	2.8	29
64	<i>Acetabularia</i> Chloroplast DNA: Electron Microscopic Visualization. <i>Science</i> , 1970, 168, 981-982.	12.6	28
65	The effects of cations and trypsin on extraction of chlorophyll-protein complexes by octyl glucoside. <i>Archives of Biochemistry and Biophysics</i> , 1982, 214, 563-572.	3.0	26
66	Association of the 33 kDa extrinsic polypeptide (water-splitting) with PS II particles: immunochemical quantification of residual polypeptide after membrane extraction. <i>Photosynthesis Research</i> , 1987, 13, 69-80.	2.9	25
67	Intermittent-light chloroplasts are not developmentally equivalent to chlorina f2 chloroplasts in barley. <i>Photosynthesis Research</i> , 1988, 15, 195-203.	2.9	25
68	Long Transcripts from Dinoflagellate Chloroplast Minicircles Suggest "Rolling Circle" Transcription. <i>Journal of Biological Chemistry</i> , 2010, 285, 5196-5203.	3.4	25
69	What Happened to the Phycobilisome?. <i>Biomolecules</i> , 2019, 9, 748.	4.0	25
70	Photosynthetic Membranes and Their Light-Harvesting Antennas. <i>Advances in Photosynthesis and Respiration</i> , 2003, , 1-28.	1.0	25
71	Effects of neutral and anionic lipids on digalactosyldiacylglycerol vesicle aggregation. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1990, 1030, 231-237.	2.6	24
72	Double hairpin elements and tandem repeats in the non-coding region of <i>Adenoides eludens</i> chloroplast gene minicircles. <i>Gene</i> , 2005, 358, 102-110.	2.2	24

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73	Contrasting effects of copper limitation on the photosynthetic apparatus in two strains of the open ocean diatom <i>Thalassiosira oceanica</i> . PLoS ONE, 2017, 12, e0181753.	2.5	24
74	DNA base composition and the taxonomy of the Oomycetes. Canadian Journal of Microbiology, 1972, 18, 963-968.	1.7	23
75	Copper in photosystem II: association with LHC II. Photosynthesis Research, 1987, 14, 201-209.	2.9	23
76	hcf5, a Nuclear Photosynthetic Electron Transport Mutant of <i>Arabidopsis thaliana</i> with a Pleiotropic Effect on Chloroplast Gene Expression. Plant Physiology, 1997, 113, 1023-1031.	4.8	23
77	Protein import pathways in ?complex? chloroplasts derived from secondary endosymbiosis involving a red algal ancestor. Plant Molecular Biology, 2005, 57, 333-342.	3.9	23
78	High light stress and the one-helix LHC-like proteins of the cryptophyte <i>Guillardia theta</i> . Biochimica Et Biophysica Acta - Bioenergetics, 2011, 1807, 841-846.	1.0	23
79	Fluorescence decay kinetics of mutants of corn deficient in photosystem I and photosystem II. Biochimica Et Biophysica Acta - Bioenergetics, 1984, 767, 574-581.	1.0	22
80	Evidence for the occurrence of meiosis before cyst formation in <i>Acetabularia mediterranea</i> (Chlorophyceae, Siphonales). Phycologia, 1973, 12, 233-235.	1.4	20
81	The harmful alga <i>Aureococcus anophagefferens</i> utilizes 19- $\beta$ -butanoyloxyfucoxanthin as well as xanthophyll cycle carotenoids in acclimating to higher light intensities. Biochimica Et Biophysica Acta - Bioenergetics, 2012, 1817, 1557-1564.	1.0	20
82	A nuclear photosynthetic electron transport mutant of <i>Arabidopsis thaliana</i> with altered expression of the chloroplast <i>petA</i> gene. Current Genetics, 1994, 25, 282-288.	1.7	19
83	Characterization of the light harvesting proteins of the chromophytic alga, <i>Olisthodiscus luteus</i> ( <i>Heterosigma carterae</i> ). Biochimica Et Biophysica Acta - Bioenergetics, 1994, 1184, 118-126.	1.0	19
84	EFFECTS OF IRON AND COPPER DEFICIENCY ON THE EXPRESSION OF MEMBERS OF THE LIGHT-HARVESTING FAMILY IN THE DIATOM <i>THALASSIOSIRA PSEUDONANA</i> (BACILLARIOPHYCEAE)1. Journal of Phycology, 2010, 46, 974-981.	2.3	19
85	Proteomic analysis of the phycobiliprotein antenna of the cryptophyte alga <i>Guillardia theta</i> cultured under different light intensities. Photosynthesis Research, 2018, 135, 149-163.	2.9	19
86	Permeability properties of large unilamellar vesicles of thylakoid lipids. Biochimica Et Biophysica Acta - Biomembranes, 1989, 984, 41-49.	2.6	18
87	How the Chlorophyll-Proteins got their Names. Photosynthesis Research, 2004, 80, 189-196.	2.9	17
88	Molecular underpinnings and biogeochemical consequences of enhanced diatom growth in a warming Southern Ocean. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	17
89	Isolation and Properties of Chloroplast Coupling Factor from Wheat. FEBS Journal, 1981, 119, 145-150.	0.2	16
90	Relationship of chlorophyll, seed moisture and ABA levels in the maturing <i>Brassica napus</i> seed and effect of a mild freezing stress. Physiologia Plantarum, 1998, 104, 125-133.	5.2	16

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91	Nucleotide Sequence of an Arabidopsis thaliana Lhcb4 Gene. Plant Physiology, 1993, 103, 1451-1452.	4.8	14
92	Title is missing!. Plant Molecular Biology Reporter, 1999, 17, 221-224.	1.8	14
93	Light-Harvesting and Photoprotection in Diatoms: Identification and Expression of L818-Like Proteins. , 2008, , 261-264.		14
94	A thylakoidal processing peptidase from the heterokont alga Heterosigma akashiwo. Plant Molecular Biology, 2003, 52, 463-472.	3.9	13
95	Protein Synthesis by Isolated <i>Acetabularia</i> Chloroplasts. FEBS Journal, 1982, 128, 543-546.	0.2	13
96	Functional analysis of early defective mutants of coliphage $\phi$ . Virology, 1970, 40, 792-799.	2.4	12
97	Spectra of arylarsines <sup>II</sup> . Journal of Inorganic and Nuclear Chemistry, 1965, 27, 641-651.	0.5	11
98	Separation of closely related intrinsic membrane polypeptides of the photosystem II light-harvesting complex (LHC II) by reversed-phase high-performance liquid chromatography on a poly(styrene <sup>II</sup> divinylbenzene) column. Journal of Chromatography A, 1994, 664, 33-38.	3.7	11
99	Surviving the passage. Plant Signaling and Behavior, 2008, 3, 6-12.	2.4	11
100	Scaffolding proteins guide the evolution of algal light harvesting antennas. Nature Communications, 2021, 12, 1890.	12.8	11
101	The effects of natural and synthetic sea water media on the growth and reproduction of Acetabularia. Phycologia, 1977, 16, 87-94.	1.4	10
102	Effects of Temperature on the Phase Behavior and Permeability of Thylakoid Lipid Vesicles. Plant Physiology, 1992, 99, 912-918.	4.8	10
103	Nucleotide Sequence of a Tomato psbS Gene. Plant Physiology, 1994, 106, 1703-1704.	4.8	10
104	IS PHOTOSYNTHESIS REALLY DERIVED FROM PURPLE BACTERIA?. Journal of Phycology, 2000, 36, 983-985.	2.3	10
105	Evolution of Light-Harvesting Antennas in an Oxygen World. , 2007, , 37-53.		9
106	Evidence that CP 47 (CPa-1) is the Reaction Centre of Photosystem II. , 1984, , 95-98.		7
107	Nuclear and Satellite DNA Base Composition and the Taxonomy of Saprolegnia (Oomycetes). Journal of General Microbiology, 1976, 96, 215-219.	2.3	7
108	Isolation and base composition of DNA's of primitive land plants I. Ferns and fern-allies. Nucleic Acids and Protein Synthesis, 1971, 254, 402-406.	1.7	6

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109	Isolation and base composition of DNAs of primitive land plants II. Mosses. <i>Nucleic Acids and Protein Synthesis</i> , 1972, 277, 29-34.	1.7	6
110	LATERAL GENE TRANSFER IN THE CYANOBACTERIA: CHLOROPHYLLS, PROTEINS, AND SCRAPS OF RIBOSOMAL RNA. <i>Journal of Phycology</i> , 2005, 41, 449-452.	2.3	6
111	Distal and Extrinsic Photosystem II Antennas. , 2005, , 23-44.		6
112	Proteomic analysis of metabolic pathways supports chloroplast-mitochondria cross-talk in a Cu-limited diatom. <i>Plant Direct</i> , 2022, 6, e376.	1.9	6
113	Abnormal cells resulting from asexual reproduction in <i>Acetabularia</i> (Chlorophyceae, Siphonales). <i>Phycologia</i> , 1976, 15, 161-164.	1.4	5
114	STRUCTURE PREDICTION METHODS FOR MEMBRANE PROTEINS: COMPARISON WITH THE X-RAY STRUCTURE OF THE R. VIRIDIS PHOTOSYNTHETIC REACTION CENTRE. , 1990, , 395-404.		5
115	Characterization of a cDNA Encoding a Fucoxanthin-Chlorophyll Protein from the Chromophyte Alga <i>Heterosigma carterae</i> . , 1995, , 963-966.		4
116	Copper in Photosystem II. , 1987, , 573-576.		4
117	Mitochondrial Genes of Dinoflagellates Are Transcribed by a Nuclear-Encoded Single-Subunit RNA Polymerase. <i>PLoS ONE</i> , 2013, 8, e65387.	2.5	4
118	Fractionation of <i>Saprolegnia diclina</i> (oomycetes) satellite DNAs by AgNO <sub>3</sub> /Cs <sub>2</sub> SO <sub>4</sub> density gradient centrifugation. <i>Nucleic Acids and Protein Synthesis</i> , 1977, 479, 411-415.	1.7	2
119	Synthesis of Chlorophyll-Binding Polypeptides during Greening of Etiolated Barley. , 1987, , 577-580.		2
120	Kinetically cooperative models: boundary movement in optical resolution, phase transitions, and biological morphogenesis. <i>Canadian Journal of Chemistry</i> , 1988, 66, 839-851.	1.1	1
121	Women Job Applicants. <i>Science</i> , 1973, 181, 496-496.	12.6	0
122	Protein Targeting in "Secondary" or "Complex" Chloroplasts. , 2007, 390, 207-217.		0
123	Differential Association of the Light-Harvesting Proteins (FCPs) with PSI and PSII in the Small Brown Tide Alga <i>Aureococcus Anophagefferens</i> . <i>Advanced Topics in Science and Technology in China</i> , 2013, , 148-151.	0.1	0
124	Solutions to the Light-Harvesting Problem: Mix, Match and Duplicate. , 1998, , 247-252.		0
125	How the chlorophyll-proteins got their names. , 2005, , 435-442.		0