

Manuel L Lemos

List of Publications by Year in descending order

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104
papers

3,522
citations

109321

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106
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2396
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#	ARTICLE	IF	CITATIONS
1	FrpA is the outer membrane piscibactin transporter in <i>Vibrio anguillarum</i> : structural elements in synthetic piscibactin analogues required for transport. <i>Journal of Biological Inorganic Chemistry</i> , 2022, 27, 133-142.	2.6	5
2	Selective detection of <i>Aeromonas</i> spp. by a fluorescent probe based on the siderophore amonabactin. <i>Journal of Inorganic Biochemistry</i> , 2022, 230, 111743.	3.5	3
3	Draft Genome Sequences of Five <i>Vibrio neptunius</i> Strains Isolated from Hatcheries of Bivalve Mollusks. <i>Microbiology Resource Announcements</i> , 2021, 10, .	0.6	1
4	The Vibriolysin-Like Protease VnpA and the Collagenase ColA Are Required for Full Virulence of the Bivalve Mollusks Pathogen <i>Vibrio neptunius</i> . <i>Antibiotics</i> , 2021, 10, 391.	3.7	4
5	<i>Vibrio neptunius</i> Produces Piscibactin and Amphibactin and Both Siderophores Contribute Significantly to Virulence for Clams. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 750567.	3.9	8
6	The Temperature-Dependent Expression of the High-Pathogenicity Island Encoding Piscibactin in Vibrionaceae Results From the Combined Effect of the AraC-Like Transcriptional Activator PbtA and Regulatory Factors From the Recipient Genome. <i>Frontiers in Microbiology</i> , 2021, 12, 748147.	3.5	3
7	Susceptibility to Bismuth(III) of Aquaculture Bacterial Pathogens: Effectiveness of Bismuth(III)-Deferiprone Therapy against <i>Vibrio anguillarum</i> Infection in Fish. <i>Microorganisms</i> , 2021, 9, 2399.	3.6	0
8	Virulence properties of three new <i>Photobacterium</i> species affecting cultured fish. <i>Journal of Applied Microbiology</i> , 2020, 129, 37-50.	3.1	12
9	The marine bivalve molluscs pathogen <i>Vibrio neptunius</i> produces the siderophore amphibactin, which is widespread in molluscs microbiota. <i>Environmental Microbiology</i> , 2020, 22, 5467-5482.	3.8	7
10	Iron uptake mechanisms as key virulence factors in bacterial fish pathogens. <i>Journal of Applied Microbiology</i> , 2020, 129, 104-115.	3.1	24
11	Synthesis of Functionalized Magnetic Nanoparticles, Their Conjugation with the Siderophore Feroxamine and its Evaluation for Bacteria Detection. <i>Journal of Visualized Experiments</i> , 2020, .	0.3	0
12	Preparation of functionalized magnetic nanoparticles conjugated with feroxamine and their evaluation for pathogen detection. <i>RSC Advances</i> , 2019, 9, 13533-13542.	3.6	9
13	The Expression of Virulence Factors in <i>Vibrio anguillarum</i> Is Dually Regulated by Iron Levels and Temperature. <i>Frontiers in Microbiology</i> , 2019, 10, 2335.	3.5	54
14	The Outer Membrane Protein FstC of <i>Aeromonas salmonicida</i> subsp. <i>salmonicida</i> Acts as Receptor for Amonabactin Siderophores and Displays a Wide Ligand Plasticity. Structure-Activity Relationships of Synthetic Amonabactin Analogues. <i>ACS Infectious Diseases</i> , 2019, 5, 1936-1951.	3.8	8
15	The Fish Pathogen <i>Vibrio ordalii</i> Under Iron Deprivation Produces the Siderophore Piscibactin. <i>Microorganisms</i> , 2019, 7, 313.	3.6	15
16	Outer membrane protein FrpA, the siderophore piscibactin receptor of <i>Photobacterium damsela</i> subsp. <i>piscicida</i> , as a subunit vaccine against photobacteriosis in sole (<i>Solea senegalensis</i>). <i>Fish and Shellfish Immunology</i> , 2019, 94, 723-729.	3.6	13
17	The Siderophore Piscibactin Is a Relevant Virulence Factor for <i>Vibrio anguillarum</i> Favored at Low Temperatures. <i>Frontiers in Microbiology</i> , 2018, 9, 1766.	3.5	40
18	A proteomic analysis of the iron response of <i>Photobacterium damsela</i> subsp. <i>damsela</i> reveals metabolic adaptations to iron levels changes and novel potential virulence factors. <i>Veterinary Microbiology</i> , 2017, 201, 257-264.	1.9	26

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19	Chromosome-Encoded Hemolysin, Phospholipase, and Collagenase in Plasmidless Isolates of <i>Photobacterium damsela</i> subsp. <i>damsela</i> Contribute to Virulence for Fish. <i>Applied and Environmental Microbiology</i> , 2017, 83, .	3.1	44
20	Identification of the Ferric-Acinetobactin Outer Membrane Receptor in <i>Aeromonas salmonicida</i> subsp. <i>salmonicida</i> and Structure-Activity Relationships of Synthetic Acinetobactin Analogues. <i>ACS Chemical Biology</i> , 2017, 12, 479-493.	3.4	12
21	Genomic analysis of the marine fish pathogen <i>Photobacterium damsela</i> subsp. <i>piscicida</i> : Insertion sequences proliferation is associated with chromosomal reorganisations and rampant gene decay. <i>Infection, Genetics and Evolution</i> , 2017, 54, 221-229.	2.3	15
22	Secreted Citrate Serves as Iron Carrier for the Marine Pathogen <i>Photobacterium damsela</i> subsp. <i>damsela</i> . <i>Frontiers in Cellular and Infection Microbiology</i> , 2017, 7, 361.	3.9	22
23	Revisiting the genus <i>Photobacterium</i> : taxonomy, ecology and pathogenesis. <i>International Microbiology</i> , 2017, 20, 1-10.	2.4	47
24	Unveiling the pan-genome of the SXT/R391 family of ICEs: molecular characterisation of new variable regions of SXT/R391-like ICEs detected in <i>Pseudoalteromonas</i> sp. and <i>Vibrio scophthalmi</i> . <i>Antonie Van Leeuwenhoek</i> , 2016, 109, 1141-1152.	1.7	14
25	Iron assimilation and siderophore production by <i>Vibrio ordalii</i> strains isolated from diseased Atlantic salmon <i>Salmo salar</i> in Chile. <i>Diseases of Aquatic Organisms</i> , 2016, 118, 217-226.	1.0	9
26	<i>Photobacterium damsela</i> subsp. <i>damsela</i> Major Virulence Factors Dly, Plasmid-Encoded HlyA, and Chromosome-Encoded HlyA Are Secreted via the Type II Secretion System. <i>Infection and Immunity</i> , 2015, 83, 1246-1256.	2.2	42
27	A Transmissible Plasmid-Borne Pathogenicity Island Confers Piscibactin Biosynthesis in the Fish Pathogen <i>Photobacterium damsela</i> subsp. <i>piscicida</i> . <i>Applied and Environmental Microbiology</i> , 2015, 81, 5867-5879.	3.1	48
28	Two Catechol Siderophores, Acinetobactin and Amonabactin, Are Simultaneously Produced by <i>Aeromonas salmonicida</i> subsp. <i>salmonicida</i> Sharing Part of the Biosynthetic Pathway. <i>ACS Chemical Biology</i> , 2015, 10, 2850-2860.	3.4	38
29	Phobalysin, a Small β -Pore-Forming Toxin of <i>Photobacterium damsela</i> subsp. <i>damsela</i> . <i>Infection and Immunity</i> , 2015, 83, 4335-4348.	2.2	40
30	Host-Nonspecific Iron Acquisition Systems and Virulence in the Zoonotic Serovar of <i>Vibrio vulnificus</i> . <i>Infection and Immunity</i> , 2014, 82, 731-744.	2.2	17
31	Evidence for horizontal gene transfer, gene duplication and genetic variation as driving forces of the diversity of haemolytic phenotypes in <i>Photobacterium damsela</i> subsp. <i>damsela</i> . <i>FEMS Microbiology Letters</i> , 2014, 355, 152-162.	1.8	26
32	Genetic characterization of pPHDP60, a novel conjugative plasmid from the marine fish pathogen <i>Photobacterium damsela</i> subsp. <i>piscicida</i> . <i>Plasmid</i> , 2013, 70, 154-159.	1.4	9
33	Integrating conjugative elements of the SXT/R391 family from fish-isolated <i>Vibrios</i> encode restriction-modification systems that confer resistance to bacteriophages. <i>FEMS Microbiology Ecology</i> , 2013, 83, 457-467.	2.7	39
34	Synthesis and antibacterial activity of conjugates between norfloxacin and analogues of the siderophore vanchrobactin. <i>Bioorganic and Medicinal Chemistry</i> , 2013, 21, 295-302.	3.0	36
35	Synergistic and Additive Effects of Chromosomal and Plasmid-Encoded Hemolysins Contribute to Hemolysis and Virulence in <i>Photobacterium damsela</i> subsp. <i>damsela</i> . <i>Infection and Immunity</i> , 2013, 81, 3287-3299.	2.2	60
36	<i>Photobacterium damsela</i> subsp. <i>damsela</i> , a bacterium pathogenic for marine animals and humans. <i>Frontiers in Microbiology</i> , 2013, 4, 283.	3.5	169

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37	Integrating Conjugative Elements as Vectors of Antibiotic, Mercury, and Quaternary Ammonium Compound Resistance in Marine Aquaculture Environments. <i>Antimicrobial Agents and Chemotherapy</i> , 2012, 56, 2619-2626.	3.2	69
38	Structure and Biosynthetic Assembly of Piscibactin, a Siderophore from <i>Photobacterium damsela</i> subsp. <i>piscicida</i> , Predicted from Genome Analysis. <i>European Journal of Organic Chemistry</i> , 2012, 2012, 5693-5700.	2.4	49
39	Gene Expression Profiles of the Spleen, Liver, and Head Kidney in Turbot (<i>Scophthalmus maximus</i>) Along the Infection Process with <i>Aeromonas salmonicida</i> Using an Immune-Enriched Oligo-microarray. <i>Marine Biotechnology</i> , 2011, 13, 1099-1114.	2.4	79
40	The <i>Photobacterium damsela</i> subsp. <i>damsela</i> Hemolysins Damselysin and HlyA Are Encoded within a New Virulence Plasmid. <i>Infection and Immunity</i> , 2011, 79, 4617-4627.	2.2	73
41	Application of suppressive subtractive hybridization to the identification of genetic differences between two <i>Lactococcus garvieae</i> strains showing distinct differences in virulence for rainbow trout and mouse. <i>Microbiology (United Kingdom)</i> , 2011, 157, 2106-2119.	1.8	6
42	<i>Salmonella</i> . , 2011, , 1051-1064.		2
43	Anguibactin versus vanchrobactin mediated iron uptake in <i>Vibrio anguillarum</i> : evolution and ecology of a fish pathogen. <i>Environmental Microbiology Reports</i> , 2010, 2, 19-26.	2.4	41
44	The ABC transporter <i>hutCD</i> genes of <i>Photobacterium damsela</i> subsp. <i>piscicida</i> are essential for haem utilization as iron source and are expressed during infection in fish. <i>Journal of Fish Diseases</i> , 2010, 33, 649-655.	1.9	8
45	FvtA Is the Receptor for the Siderophore Vanchrobactin in <i>Vibrio anguillarum</i> : Utility as a Route of Entry for Vanchrobactin Analogues. <i>Applied and Environmental Microbiology</i> , 2009, 75, 2775-2783.	3.1	26
46	Genetic characterization of pAsa6, a new plasmid from <i>Aeromonas salmonicida</i> subsp. <i>salmonicida</i> that encodes a type III effector protein AopH homolog. <i>Plasmid</i> , 2009, 61, 176-181.	1.4	15
47	Identification of iron regulated genes in the fish pathogen <i>Aeromonas salmonicida</i> subsp. <i>salmonicida</i> : Genetic diversity and evidence of conserved iron uptake systems. <i>Veterinary Microbiology</i> , 2009, 133, 377-382.	1.9	22
48	BIOMETALS 2008 (Santiago de Compostela). <i>BioMetals</i> , 2009, 22, 1-2.	4.1	0
49	Identification of heme uptake genes in the fish pathogen <i>Aeromonas salmonicida</i> subsp. <i>salmonicida</i> . <i>Archives of Microbiology</i> , 2008, 190, 439-449.	2.2	35
50	Expressed sequence tags (ESTs) from immune tissues of turbot (<i>Scophthalmus maximus</i>) challenged with pathogens. <i>BMC Veterinary Research</i> , 2008, 4, 37.	1.9	61
51	Distribution of small plasmids in <i>Aeromonas salmonicida</i> subsp. <i>salmonicida</i> strains isolated from NW Spain and Portugal: evidence of clonality in strains isolated from turbot, <i>Psetta maxima</i> (L.). <i>Journal of Fish Diseases</i> , 2008, 31, 469-472.	1.9	12
52	Synthesis and biological activity of analogues of vanchrobactin, a siderophore from <i>Vibrio anguillarum</i> serotype O2. <i>Organic and Biomolecular Chemistry</i> , 2008, 6, 1278.	2.8	12
53	Biosynthetic and regulatory elements involved in the production of the siderophore vanchrobactin in <i>Vibrio anguillarum</i> . <i>Microbiology (United Kingdom)</i> , 2008, 154, 1400-1413.	1.8	30
54	Genomic and Functional Analysis of ICE <i>Pda</i> Spa1, a Fish-Pathogen-Derived SXT-Related Integrating Conjugative Element That Can Mobilize a Virulence Plasmid. <i>Journal of Bacteriology</i> , 2008, 190, 3353-3361.	2.2	58

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55	Identification of Siderophore Biosynthesis Genes Essential for Growth of <i>Aeromonas salmonicida</i> under Iron Limitation Conditions. <i>Applied and Environmental Microbiology</i> , 2008, 74, 2341-2348.	3.1	33
56	Heme, an iron supply for vibrios pathogenic for fish. <i>BioMetals</i> , 2007, 20, 615-626.	4.1	29
57	Transcriptional organization and regulation of the <i>Vibrio anguillarum</i> heme uptake gene cluster. <i>Gene</i> , 2006, 374, 68-76.	2.2	19
58	Iron uptake from ferric citrate by <i>Vibrio anguillarum</i> . <i>FEMS Microbiology Letters</i> , 2006, 154, 145-150.	1.8	9
59	Isolation of a heme and hemoglobin binding outer membrane protein of <i>Vibrio vulnificus</i> biotype 2 (serogroup E). <i>FEMS Microbiology Letters</i> , 2006, 156, 187-191.	1.8	10
60	Structural characterization of vanchrobactin, a new catechol siderophore produced by the fish pathogen <i>Vibrio anguillarum</i> serotype O2. <i>Tetrahedron Letters</i> , 2006, 47, 7113-7116.	1.4	60
61	A siderophore biosynthesis gene cluster from the fish pathogen <i>Photobacterium damsela</i> subsp. <i>piscicida</i> is structurally and functionally related to the <i>Yersinia</i> high-pathogenicity island. <i>Microbiology (United Kingdom)</i> , 2006, 152, 3327-3341.	1.8	46
62	A gene cluster involved in the biosynthesis of vanchrobactin, a chromosome-encoded siderophore produced by <i>Vibrio anguillarum</i> . <i>Microbiology (United Kingdom)</i> , 2006, 152, 3517-3528.	1.8	45
63	Heme uptake genes in human and fish isolates of <i>Photobacterium damsela</i> : existence of <i>hutA</i> pseudogenes. <i>Archives of Microbiology</i> , 2005, 183, 347-358.	2.2	23
64	Subtractive hybridization reveals a high genetic diversity in the fish pathogen <i>Photobacterium damsela</i> subsp. <i>piscicida</i> : evidence of a SXT-like element. <i>Microbiology (United Kingdom)</i> , 2005, 151, 2659-2669.	1.8	26
65	Iron Uptake Mechanisms in the Fish Pathogen <i>Tenacibaculum maritimum</i> . <i>Applied and Environmental Microbiology</i> , 2005, 71, 6947-6953.	3.1	34
66	Isolation of <i>Vibrio alginolyticus</i> and <i>Vibrio splendidus</i> from Aquacultured Carpet Shell Clam (<i>Tigarrhinus</i>) <i>Journal of Microbiology</i> , 2005, 71, 98-104.	3.1	244
67	Genetic Variability of the Heme Uptake System among Different Strains of the Fish Pathogen <i>Vibrio anguillarum</i> : Identification of a New Heme Receptor. <i>Applied and Environmental Microbiology</i> , 2005, 71, 8434-8441.	3.1	15
68	Characterization of Heme Uptake Cluster Genes in the Fish Pathogen <i>Vibrio anguillarum</i> . <i>Journal of Bacteriology</i> , 2004, 186, 6159-6167.	2.2	71
69	Two <i>tonB</i> Systems Function in Iron Transport in <i>Vibrio anguillarum</i> , but Only One Is Essential for Virulence. <i>Infection and Immunity</i> , 2004, 72, 7326-7329.	2.2	62
70	Identification of Fur regulated genes in the bacterial fish pathogen <i>Photobacterium damsela</i> ssp. <i>piscicida</i> using the Fur titration assay. <i>BioMetals</i> , 2004, 17, 725-733.	4.1	14
71	Identification and characterisation of the <i>fur</i> genes in <i>Photobacterium damsela</i> ssp. <i>piscicida</i> and ssp. <i>damsela</i> . <i>Diseases of Aquatic Organisms</i> , 2004, 58, 151-156.	1.0	7
72	Isolation of mutants of <i>Vibrio anguillarum</i> defective in haeme utilisation and cloning of <i>huvA</i> , a gene coding for an outer membrane protein involved in the use of haeme as iron source. <i>Archives of Microbiology</i> , 2003, 179, 329-338.	2.2	26

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73	Binding of haemin by the fish pathogen <i>Photobacterium damsela</i> subsp. <i>piscicida</i> . <i>Diseases of Aquatic Organisms</i> , 2002, 48, 109-115.	1.0	23
74	Presence of high-affinity iron uptake systems in fish-isolated and environmental strains of <i>Vibrio anguillarum</i> serotype O3. <i>FEMS Microbiology Letters</i> , 2001, 202, 79-83.	1.8	10
75	Presence of high-affinity iron uptake systems in fish-isolated and environmental strains of <i>Vibrio anguillarum</i> serotype O3. <i>FEMS Microbiology Letters</i> , 2001, 202, 79-83.	1.8	10
76	Ferric-reductase activities in <i>Vibrio vulnificus</i> biotypes 1 and 2. <i>FEMS Microbiology Letters</i> , 1999, 172, 205-211.	1.8	10
77	Ferric-reductase activities in <i>Vibrio vulnificus</i> biotypes 1 and 2. <i>FEMS Microbiology Letters</i> , 1999, 172, 205-211.	1.8	1
78	Iron uptake from ferric citrate by <i>Vibrio anguillarum</i> . <i>FEMS Microbiology Letters</i> , 1997, 154, 145-150.	1.8	1
79	Isolation of a hemin and hemoglobin binding outer membrane protein of <i>Vibrio vulnificus</i> biotype 2 (serogroup E). <i>FEMS Microbiology Letters</i> , 1997, 156, 187-191.	1.8	0
80	Identification of heme-binding proteins in the cell membranes of <i>Vibrio anguillarum</i> . <i>FEMS Microbiology Letters</i> , 1996, 135, 265-270.	1.8	27
81	Isolation of heme-binding proteins from <i>Vibrio anguillarum</i> using affinity chromatography. <i>FEMS Microbiology Letters</i> , 1996, 141, 19-23.	1.8	12
82	Identification of heme-binding proteins in the cell membranes of <i>Vibrio anguillarum</i> . <i>FEMS Microbiology Letters</i> , 1996, 135, 265-270.	1.8	2
83	Isolation of heme-binding proteins from <i>Vibrio anguillarum</i> using affinity chromatography. <i>FEMS Microbiology Letters</i> , 1996, 141, 19-23.	1.8	1
84	Ferric-reductase activities in whole cells and cell fractions of <i>Vibrio (Listonella) anguillarum</i> . <i>Microbiology (United Kingdom)</i> , 1996, 142, 3187-3193.	1.8	12
85	Utilization of hemin and hemoglobin by <i>Vibrio vulnificus</i> biotype 2. <i>Applied and Environmental Microbiology</i> , 1996, 62, 2806-2810.	3.1	31
86	Iron uptake by <i>Pasteurella piscicida</i> and its role in pathogenicity for fish. <i>Applied and Environmental Microbiology</i> , 1994, 60, 2990-2998.	3.1	84
87	Growth of <i>Vibrio anguillarum</i> in different fish sera. <i>Aquaculture</i> , 1992, 107, 277-281.	3.5	2
88	Highly preferred site of insertion of Tn7 into the chromosome of <i>Vibrio anguillarum</i> . <i>Plasmid</i> , 1992, 27, 161-163.	1.4	4
89	Competitive dominance of antibiotic-producing marine bacteria in mixed cultures. <i>Journal of Applied Bacteriology</i> , 1991, 71, 228-232.	1.1	34
90	Iron-binding proteins and heme compounds as iron sources for <i>Vibrio anguillarum</i> . <i>Current Microbiology</i> , 1991, 23, 221-226.	2.2	40

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91	Distribution of plasmid- and chromosome-mediated iron uptake systems in <i>Vibrio anguillarum</i> strains of different origins. <i>Applied and Environmental Microbiology</i> , 1991, 57, 2956-2962.	3.1	44
92	Serological Relationships among <i>Vibrio anguillarum</i> Strains. <i>Journal of Aquatic Animal Health</i> , 1990, 2, 21-29.	1.4	27
93	ADHESIVE PROPERTIES AND OTHER VIRULENCE FACTORS IN <i>YERSINIA RUCKERI</i> . , 1990, , 123-139.		8
94	Iron-binding compounds and related outer membrane proteins in <i>Vibrio cholerae</i> non-O1 strains from aquatic environments. <i>Applied and Environmental Microbiology</i> , 1990, 56, 2410-2416.	3.1	30
95	Purification and characterization of an antibacterial substance produced by a marine <i>Alteromonas</i> species. <i>Antimicrobial Agents and Chemotherapy</i> , 1989, 33, 1674-1679.	3.2	30
96	Siderophore production by environmental strains of <i>Salmonella</i> species. <i>FEMS Microbiology Letters</i> , 1989, 57, 7-12.	1.8	18
97	Siderophore production by environmental strains of <i>Salmonella</i> species. <i>FEMS Microbiology Letters</i> , 1989, 57, 7-12.	1.8	9
98	Inhibitory activity of antibiotic-producing marine bacteria against fish pathogens. <i>Journal of Applied Bacteriology</i> , 1988, 65, 97-101.	1.1	146
99	Population dynamics of heterotrophic bacterial communities associated with <i>Fucus vesiculosus</i> and <i>Ulva rigida</i> in an estuary. <i>Microbial Ecology</i> , 1988, 15, 345-357.	2.8	55
100	Chromosome-mediated iron uptake system in pathogenic strains of <i>Vibrio anguillarum</i> . <i>Journal of Bacteriology</i> , 1988, 170, 1920-1925.	2.2	120
101	Homology of <i>Vibrio anguillarum</i> strains causing epizootics in turbot, salmon and trout reared on the Atlantic coast of Spain. <i>Aquaculture</i> , 1987, 67, 41-52.	3.5	77
102	Antibiotic activity of epiphytic bacteria isolated from intertidal seaweeds. <i>Microbial Ecology</i> , 1985, 11, 149-163.	2.8	194
103	Modified Medium for the Oxidation-Fermentation Test in the Identification of Marine Bacteria. <i>Applied and Environmental Microbiology</i> , 1985, 49, 1541-1543.	3.1	117
104	Plasmid coding for transferable drug resistance in bacteria isolated from cultured rainbow trout. <i>Applied and Environmental Microbiology</i> , 1984, 48, 872-877.	3.1	53