

《动物学杂志》第 40 卷总目次

研究报告

- 板足类原生动物半圆表壳虫壳体生物矿化特征 杨 军 沈温芬(1):1~7
- ENU 诱导获得一种短尾小鼠及其突变基因的初步定位 邵义祥 陈 兵 张成香等(1):8~13
- 北京幽灵蛛的繁殖行为 陈海峰 李枢强(1):14~20
- 高体鳊鲂的生物学资料及个体发育观察 谢增兰 郭延蜀 胡锦涛等(1):21~26
- 豚鼠交感神经节非胆碱能迟慢兴奋性突触后电位与蛙皮素、P 物质的关系 刘 芳 柯道平 孔德虎(1):27~31
- 瘤背石磺的形态、习性和生殖行为 王金庆 成永旭 吴旭干等(1):32~40
- 南方鲢性腺分化的组织学观察 张修月 焦保卫 吴天利等(1):41~48
- 白腹短翅鹀雄鸟的羽毛延迟成熟现象 贾陈喜 孙悦华 毕中霖(2):1~5
- 四川瓦屋山金色林鸽的繁殖生态及孵卵节律 蒋迎昕 孙悦华 毕中霖(2):6~10
- 湖北巴东寿带鸟繁殖行为观察 马 强 苏化龙 肖文发(2):11~17
- 香鱼肌肉与免疫器官 6 种同工酶的表达 李明月 黄福勇(2):18~22
- 中国林蛙蝌蚪和大蟾蜍蝌蚪的最适温度、逃避温度及致死温度 王立志 李晓晨 孙 涛(2):23~27
- 少棘蜈蚣毒腺 RACE cDNA 文库的构建及 β -actin 基因的克隆与序列分析 任文华 张双全 宋大祥等(3):1~5
- 新疆 3 种雅罗鱼线粒体 DNA 细胞色素 *b* 序列的差异与系统进化 胡文革 段子渊 王金富等(3):6~11
- 我国 12 种无尾类的鸣叫特征参数 徐俊晓 谢 锋 江建平(3):12~19
- 蚯蚓消化道 5-羟色胺细胞的免疫组织化学定位 鲍明升 黄徐根 吴孝兵(3):20~24
- 北草蜥中脑视叶组织学结构观察 梅 斌 罗 勋 孙庆艳(3):25~29
- 白细胞介素 13 对胚泡植入前后子宫基质金属蛋白酶 2(MMP2) 表达的影响 孙 敬 彭景樵 夏红飞等(4):1~5
- 普通伏翼蝠下丘神经元基本声反应特性 李安安 任雪萍 吴飞健等(4):6~11
- 甲胺磷诱发母鸡迟发性神经毒性模型 杨 琳 刘 杰 李 薇等(4):12~16
- 黑眶蟾蜍和黑斑蛙消化道 5-羟色胺免疫活性细胞的免疫组织化学 张秋金 陈友铃 耿宝荣等(4):17~21
- 蚯蚓纤溶酶底物特异性 武金霞 赵晓瑜(4):22~28
- 中国家蚕抗菌肽基因 CBM1 全长 cDNA 序列测定及其基因结构分析 李建民 马志飞 曹戴洪等(5):1~7
- 晋江流域水质污染与浮游动物四季群落结构的关系 谢进金 许友勤 陈寅山等(5):8~13
- 可口革囊星虫消化道的形态及组织学结构 应雪萍 童莉里 黄晓雷(5):14~20
- 近亲幽灵蛛用于兼性群居生活的时间消耗 陈海峰 李枢强(5):21~27
- 赤眼鳟的繁殖生物学 龙光华 林 岗 胡大胜等(5):28~36
- 东方铃蟾消化道 5-羟色胺免疫活性细胞的免疫组织化学定位 李淑兰 赵文艳 冷 超等(5):37~42
- 农田周围生态保留带中普通田鼠的种群生态学:种群数量动态及结构 艾尼瓦尔·吐米尔 马合木提·哈力克 Jean-Pierre Airoldi(5):43~49
- 暗纹东方鲩线粒体 CO II 及两侧 tRNA 基因的克隆和序列分析 邵爱华 朱 江 陈 葵等(6):1~8
- 两种泥鳅 RAPD 标记遗传稳定性分析 杜启艳 常重杰 南 萍等(6):9~13
- 不同地理区域蛤蚧的 RAPD 分析 秦新民 梁燕妮 黄夕洋等(6):14~18
- 布氏田鼠雄性的优势地位 张建军 施大钊(6):19~24
- 哺乳期棕色田鼠对配偶的识别记忆 王建礼 邰发道 安书成(6):25~29
- 真索湾垦区啮齿动物群落结构与物种多样性分析 靳新霞 张大铭(6):30~37
- 不同年龄昆明小白鼠卵母细胞的生发泡互换 崔龙波 周雪莹 王敏强等(6):38~43
- S100 在猫小脑中的分布及其表达的年龄相关性变化 张长征 朱再满 罗 勋等(6):44~48

珍稀濒危动物

- 莲花山斑尾榛鸡春季栖息地选择 季 婷 贾陈喜 蒋迎昕等(1):49~53
- 海南鸚巢址选择的初步调查 周 放 余丽江 陆 舟等(1):54~58
- 春冬两季贺兰山岩羊集群特征的比较 曹丽荣 刘振生 王小明等(2):28~33
- 甘肃省大熊猫数量及栖息地现状 李晓鸿 赵长青(2):34~37
- 贺兰山蓝马鸡越冬期栖息地的选择 刘振生 曹丽荣 李志刚等(2):38~43
- 笼养大鸨越冬行为的时间分配 田秀华 张佰莲 刘群秀等(2):44~49
- 黑头噪鸡的鸣声分析及其繁殖行为联系 经 宇 孙悦华 方 昀(3):30~34
- 人工饲养东方白鹳繁殖期行为的时间分配 田秀华 王建荣 张佰莲(3):35~40
- 北海抹香鲸的年龄鉴定 唐文乔 郭弘艺(3):41~45
- 内蒙古图牧吉冬季大鸨调查初报 李晓民 刘学昌 周景英等(3):46~49
- 甘肃莲花山蓝马鸡孵卵节律的初步研究 孙悦华 贾陈喜 方 昀等(4):29~33
- 新疆雪豹调查中的痕迹分析 马 鸣 Bariushaa Munkhsog 徐 峰等(4):34~39
- 小兴安岭通河林区斑羚冬季食性分析 吴建平 单继红 王志平(4):40~44
- 扎龙湿地野生与散养白枕鹤繁殖前期觅食生境选择对比分析 邹红菲 吴庆明 牛茂刚(4):45~50
- 小兴安岭白头鹤繁殖地种群数量初步调查 郭玉民 刘相林 徐纯柱等(4):51~54
- 笼养条件的改变对大鸨繁殖期行为的影响 田秀华 张佰莲 何相宝等(4):55~59
- 鬲羚食性的研究 宋延龄 巩会生 曾治高等(5):50~56
- 中国大熊猫保护战略探讨 严 旬(5):57~60
- 在不同条件下人工饲养大鲵的呼吸特征 郑合勋 王小明 陶峰勇(6):49~53
- 朱鹳的保护与研究 丁长青 李 峰(6):54~62

技术与方法

- 兽类头骨测量标准 I:基本量度 杨奇森 夏 霖 马 勇等(3):50~56
- 纤毛虫大核提取方法上的改进及其扫描电镜观察 顾立刚 赵 柳 顾福康(3):57~59
- 用荧光物质浸泡标记胭脂鱼仔、稚鱼耳石 付自东 李 静 岳碧松等(4):60~65
- 苏木精染色液的改进和使用 赵惠玲(4):66~68
- 大熊猫皮肤成纤维细胞系的建立和冷冻保存 张 明 侯 蓉 郑鸿培等(5):61~67
- 实验动物胰岛细胞的分离纯化 李 芬 夏雪培 刘光伟等(6):63~66
- 兽类头骨测量标准 II:奇蹄目、偶蹄目、食肉目 夏 霖 杨奇森 冯祚建等(6):67~73

自然保护区

- 崇明东滩冬季水鸟生态位分析 周 慧 仲阳康 赵 平等(1):59~65
- 福建省自然保护区建设与野生脊椎动物的保护关系 周冬良(1):66~71
- 北京雾灵山自然保护区冬季鸟类物种多样性调查 宋福春 张 香 张文林等(2):50~54
- 黄臀鸨繁殖生态的初步观察 巩会生 高学斌 赵雷刚(5):68~71

基础资料

- He-Ne 激光照射罗氏沼虾腹髓鞘神经纤维的电镜观察 姚 泊 黄丽宜 曹爱娣等(1):72~75
- 中华绒螯蟹不同发育时期胚胎及流产胚胎的同工酶变化 贾守菊 应雪萍 陈艳乐等(1):76~83
- 三疣梭子蟹不同组织同工酶的分析 余红卫 朱冬发 韩宝芹(1):84~87
- 不同 pH 值条件下日本对虾肝胰腺及血的细胞培养 王宏伟 孟翠丽 刘 晋等(1):88~91
- 三峡水库蓄水 139 m 前后江面江岸冬季鸟类动态 苏化龙 马 强 胥执清等(1):92~95
- 四川南充市区白腰文鸟的巢址选择与雏鸟的生长发育 章敬旗 周友兵 张璟霞等(2):55~59
- 克无踪除草剂对农田生态系统土壤动物的影响 郑荣泉 李迪艳 孔军苗(2):60~65
- 翡翠贻贝精子的超微结构 柯佳颖 饶小珍 陈寅山(2):66~70
- 西藏山溪鲵精子的形态 覃丽梅 谢 锋 郑中华等(2):71~74

- 哈尔滨地区淡水枝角类的初步调查 张会新 施心路 陈凤虎(2):75~79
- 海南岛越冬水鸟资源状况调查 张匡钢 梁伟 刘冬平等(2):80~85
- 拉萨拉鲁湿地夏季鸟类调查初报 包新康 张健 曲扎等(2):86~89
- 2002年北戴河林栖迁徙鸟类环志 钟义 杨金光 刘永红等(2):90~95
- 百望山土壤动物群落结构在栲树落叶分解中的变化 林英华 张夫道 刘海东等(3):60~66
- 人工养殖条件下嘉庚蝶的生物学特性及繁育技术初探 焦海峰 尤仲杰 包永波(3):67~71
- 北方山溪皖精巢生精小叶与间质区在繁殖周期中显微结构的变化 王宏元 王小平 张育辉等(3):72~76
- 福建大头蛙的核型及带型分析 彭巧玲 王洋 许竞成等(3):77~80
- 秦岭北坡中国林蛙精巢显微结构的年周期变化 杨纯 张育辉(3):81~85
- 家燕的繁殖生态及雏鸟生长发育 田丽 周材权 易宏国等(3):86~89
- 肌肽对离体培养的鸡肝细胞的影响 李文清 刘丽(3):90~94
- 实验恒河猴超声心动图的初步研究 张嫵 唐红 黄鹤等(3):95~98
- 牦牛眼的动脉分布 邵宝平 丁艳平 俞红贤等(3):99~103
- 瓦氏黄颡鱼的胚后发育观察 杨明生 王剑伟(4):69~73
- 鲢和鳊鳃丝的扫描电镜比较观察 李加儿 刘匆 区又君等(4):74~78
- 长江下游发现香鱼的稚鱼 黄少芳 唐文乔 顾树信(4):79~81
- Na⁺、葡萄糖、果糖对凹目白鲢精子活力的影响 李胜忠 郭焱 蔡林钢等(4):82~85
- 帽儿山地区秋季食果实鸟类的食性与迁徙 鲁长虎 常家传 杨显峰等(4):86~90
- 人工条件下越冬扬子鳄的繁殖 汪仁平 夏同胜(4):92~95
- 短蛸外套膜和足粘液细胞的类型及分布 王宜艳 韩强 孙虎山(4):96~99
- 江西南丰橘园土壤动物群落结构及其多样性 袁辉 刘细明 陈连水等(4):100~107
- 两种纤毛虫营养细胞和休眠细胞蛋白组成的比较分析 陈季武 倪兵 顾福康(5):72~76
- 湖北钉螺种群内螺壳形态形状变异分析 周艺彪 姜庆五 赵根明等(5):77~83
- 中国近海海牛亚目(软体动物)的区系分析 尤仲杰 林光宇(5):85~90
- 饲料中硒的添加量与中华米虾肌肉中SOD的活性 王宏伟 赵建华 崔爽等(5):91~94
- 中华绒螯蟹精荚分级分离及其蛋白组分分析 程立均 康现江 穆淑梅等(5):95~98
- 嘉陵江8种鱼类不同组织微量元素含量分析 王友慧 叶元土 林仕梅等(5):99~103
- 四川南充地区白鹡鸰的繁殖习性 刘亚斌 周友兵 汤宽均等(5):104~109
- 日本沼虾幼虾对碱度和pH的适应性 杨富亿 李秀军 杨欣乔(6):74~79
- 中国淡水双壳类特有种的地理分布 胡自强(6):80~83
- 星丽鱼和天使鱼的核型及银染和C带 陈友铃 汗彦惜 吴文珊等(6):84~90
- 瓦氏黄颡鱼与黄颡鱼的耗氧率及窒息点 万松良 葛雷 张扬等(6):91~95
- 双钩球蛛生物学特性观察 庄肃学 王昌贵 陈冬等(6):96~98
- 金头闭壳龟的分布及生存现状调查 唐鑫生 程炳功 欧阳丽雯(6):99~102
- 荒漠沙蜥冬眼前与冬眠中期肝脏、胰脏、脂肪体超微结构的比较 康旭 刘重斌 王子仁等(6):103~107
- 大沙鼠种群年龄结构的季节变化和繁殖特征 赵天飙 周立志 张忠兵等(6):108~113

研究简报

- 浙江韭山列岛的黑嘴端凤头燕鸥的繁殖群调查初报 陈水华 颜重威 范忠勇等(1):96~97
- 我国内蒙古发现白鹤夏季群体 李晓民 孙志勇 伊国良等(1):98~100
- 吉林省发现绯鼠耳蝠 刘颖 伦小文 李振新等(1):101~103
- 中国翼手类新记录——小褐菊头蝠 张劲硕 张礼标 赵辉华等(2):96~98
- 蒙原羚亚成体外部形态及消化道若干指标的测量分析 金崑 程竹 高中信等(4):108~110
- 北京小龙门自然保护区四种苔藓鸟巢的观察 周艳 苏慧 郭晓燕等(5):110~113
- 扁颅蝠的栖息地及最北分布 周全 吴毅 肖玲等(6):114~116

综述与进展

- 黄腹角雉研究概述 张雁云(1):104~107
- 四膜虫:毒理学与生态毒理学研究中的优良模式生物 傅诚杰 俞婷 缪炜等(1):108~113
- 与衰老相关的母源性生育力下降 崔龙波 孙方臻(1):114~118
- 鱼类胰岛素样生长因子(IGF)系统的研究进展 章力 黄希贵 王德寿(2):99~105
- 鸡性别决定机制及相关基因研究进展 孟和 潘玉春(2):106~111
- 食虫蝙蝠与昆虫之间的相互作用和协同进化关系 罗峰 梁冰 张礼标等(3):104~110
- 大鸨的现状和研究动态 孔有琴 李枫(3):111~115
- 生物地理学理论的发展 陈领 宋延龄(4):111~120
- 原生动物纤毛虫皮层细胞骨架的研究进展 赵柳 张莹 顾福康(5):114~118
- 生物磁学在鸟类定向研究中的进展 王毅男 潘永信 田兰香等(5):119~123
- Toll样受体信号传导途径的研究进展 刘光伟 夏雪培 赵勇(6):117~121
- 鱼类嗅觉器官的形态与生理研究进展 刘东 张振玲 赵亚辉等(6):122~128
- 哺乳类两大嗅觉系统功能的研究进展 任宝军 郇发道(6):129~136
- 晚成性哺乳动物体温调节能力的胎后发育 迟庆生 王德华(6):137~143

学术论坛

- 甘肃仓鼠分类地位再讨论 古远 马勇 孙悦华(3):116~120
- 东方鲀属和暗纹东方鲀的学名问题 陈葵(5):124~126

封面动物

- 螳螂及里氏盘腹蛛(*Cyclocosmia fricketti*)在四川的新发现 李枢强 刘凤想 陈海峰(2):112
- 鬣羚(*Capricornis sumatraensis*) 周友兵 张劲硕 索建中等(5):84

动态与其他

- 《动物学杂志》第38卷优秀论文 本刊(1):封4
- 广西南宁市郊县发现海南鸚 阙腾程 胡艳玲 吴明川等(2):22
- 四川九寨沟山噪鹛繁殖巢记述 蒋迎昕 孙悦华 经宇(2):54
- 世界翼手目动物分类系统和种类最新报道 张劲硕 张俊鹏 梁冰等(2):79
- 4种水鸟途经北京的新记录 刘阳 张正旺(2):105
- 井水动物的发现及其科学价值 李枢强 陈海峰(4):28
- 陕西秦岭发现四川旋木雀 孙悦华 Jochen Martens(4):33
- 塔里木野猫 蒋卫 廖力夫 阿不里米提等(4):50
- 重寄生车轮虫的新分布和再描述 胡银亨 赵元著 唐发辉(4):91
- 《动物学杂志》第40卷总目次 本刊(6):144~152

CHINESE JOURNAL OF ZOOLOGY

Vol. 40 No. 1 ~ 6

CONTENTS

2005

Research Papers

Characters of Biomineralization in the Shell of *Arcella hemisphaerica*(Protozoa : Rhizopoda)..... YANG Jun , SHEN Yun-Fen(1) : 1 ~ 7

Generating a Tail-short Mouse Using ENU Mutagenesis and Mapping of the Mutant Gene SHAO Yi-Xiang , CHEN Bing , ZHANG Cheng-Xiang et al. (1) : 8 ~ 13

The Reproductive Behaviour of *Pholcus beijingensis* CHEN Hai-Feng , LI Shu-Qiang(1) : 14 ~ 20

Preliminary Observation on the Biology of *Rhodesus ocellatus* XIE Zeng-Lan , GUO Yan-Shu , HU Jin-Chu et al. (1) : 21 ~ 26

The Relationship between Non-cholinergic Late Slow-excitatory Postsynaptic Potential and Bombesin or Substance P in Sympathetic Ganglia of Guinea-pig LIU Fang , KE Dao-Ping , KONG De-Hu(1) : 27 ~ 31

Morphological Characteristics , Living Habitus and Reproductive Behavior of *Onchidium struma* WANG Jin-Qing , CHENG Yong-Xu , WU Xu-Gan et al. (1) : 32 ~ 40

Histological Observation on Gonadal Sex Differentiation in the Southern Catfish , *Silurus meridionalis* ZHANG Xiu-Yue , JIAO Bao-Wei , WU Tian-Li et al. (1) : 41 ~ 48

Delayed Plumage Maturation in Male White-bellied Redstart(*Hodgsonius phaenicuroides*) JIA Chen-Xi , SUN Yue-Hua , BI Zhong-Lin(2) : 1 ~ 5

Breeding Notes and Incubation Rhythm of the Golden Bush Robin (*Tarsiger chrysaeus*) at Wawushan , Sichuan JIANG Ying-Xin , SUN Yue-Hua , BI Zhong-Lin(2) : 6 ~ 10

The Pilot Study on Breeding Ecology of Paradise Flycatcher(*Terpsiphone paradisi incei*) at Badong County , Hubei MA Qiang , SU Hua-Long , XIAO Wen-Fa(2) : 11 ~ 17

The Expression of Six Isozymes in Muscle and Immune Organs of Ayu(*Plecoglossus altivelis*) LI Ming-Yun , HUANG Fu-Yong(2) : 18 ~ 22

Preferred Temperature , Avoidance Temperature and Lethal Temperature of Tadpoles of the Common Giant Toad(*Bufo gargarizans*) and the Chinese Forest Frog(*Rana chensinensis*) WANG Li-Zhi , LI Xiao-Chen , SUN Tao(2) : 23 ~ 27

Construction of cDNA Library of Venom Gland and Cloning of β -actin cDNA 5'-end Fragments in *Scolopendra subspinipes* REN Wen-Hua , ZHANG Shuang-Quan , SONG Da-Xiang et al. (3) : 1 ~ 5

Divergence and Systematical Evolution of Three *Leuciscus* Species in Xinjiang : Mitochondrial DNA Cytochrome *b* Sequences HU Wen-Ge , DUAN Zi-Yuan , WANG Jin-Fu et al. (3) : 6 ~ 11

The Acoustic Features of the Mating Call of 12 Anuran Species XU Jun-Xiao , XIE Feng , JIANG Jian-Ping et al. (3) : 12 ~ 19

Immunohistochemical Localization of 5-HT Cells in the Digestive Tract of *Sphenomorphus iudicus* BAO Ming-Sheng , HUANG Xu-Gen , WU Xiao-Bing(3) : 20 ~ 24

A Histological Study of the Optic Lobe in *Takydromus septentrionalis* MEI Bin , LUO Xun , SUN Qing-Yan et al. (3) : 25 ~ 29

Effect of IL-1 β on the Expression of MMP2 in Uterus before and after Blastocyst Implantation SUN Jing , PENG Jing-Pian , XIA Hong-Fei et al. (4) : 1 ~ 5

Acoustic Response Properties of the Inferior Colliculus in *Pipistrellus abramus* LI An-An , REN Xue-Ping , WU Fei-Jian et al. (4) : 6 ~ 11

Delayed Neurotoxicity is not Induced by Methamidophos in Adult Hen YANG Lin , LIU Jie , LI Wei et al. (4) : 12 ~ 16

Immunohistochemical Study on 5-Hydroxytryptamine Immunoreactive Cells in the Alimentary Tract of *Bufo melanostictus* and *Rana nigromaculata* ZHANG Qiu-Jin , CHEN You-Ling , GENG Bao-Rong et al. (4) : 17 ~ 21

Substrate Specificity of the Fibrinolytic Enzymes from Earthworm WU Jin-Xia , ZHAO Xiao-Yu(4) : 22 ~ 28

Cloning and Sequencing of Antibacterial Peptide CBM1 in the Silkworm from China LI Jian-Min , MA Zhi-Fei , CAO Qin-Hong et al. (5) : 1 ~ 7

The Relationship of Community Structure of Zooplankton and the Water Pollution of the Jinjiang River Valley XIE Jin-Jin , XU You-Qin , CHEN Yin-Shan et al. (5) : 8 ~ 13

The Morphological and Histological Characteristics of Digestive Tract in *Phascolosoma esculenta* YING Xue-Ping , TONG Li-Li , HUANG Xiao-Le(5) : 14 ~ 20

Time Allocation of Costly Behavior in Group-living Spider *Pholcus affinis* CHEN Hai-Feng , LI Shu-Qiang(5) : 21 ~ 27

The Reproductive Biology of Barbel Chub LONG Guang-Hua , LIN Gang , HU Da-Sheng et al. (5) : 28 ~ 36

Immunohistochemical Localization on 5-HT Immunoreactive Cells in the Digestive Tract of *Bombina orientalis* LI Shu-Lan , ZHAO Wen-Yan , LENG Chao et al. (5) : 37 ~ 42

- A Study of the Population Ecology of *Microtus arvalis*: Population Dynamics and Structure in the Set Aside Area around the Farmland Anuar TUMUR, Mahmut HALIK, Jean-Pierre Airoldi(5) 43 ~ 49
- Cloning and Sequence Analysis of Mitochondrial CO II and its Connected tRNA in *Takifugu fasciatus* SHAO Ai-Hua, ZHU Jiang, CHEN Kui et al.(6) 1 ~ 8
- The Genetic Stability of RAPD Marker in Two Species of Loaches DU Qi-Yan, CHANG Zhong-Jie, NAN Ping et al.(6) 9 ~ 13
- RAPD Analysis on Genetic Divergence and Phylogenesis of *Gekko gekko* from Different Areas QIN Xin-Min, LIANG Yan-Ni, HUANG Xi-Yang et al.(6) 14 ~ 18
- Social Dominance of Male Brandt's Vole ZHANG Jian-Jun, SHI Da-Zhao(6) 19 ~ 24
- Recognition Memory for Mate in Lactating Mandarin Voles WANG Jian-Li, TAI Fa-Dao, AN Shu-Cheng(6) 25 ~ 29
- Rodent Community Structure and Species Diversity Analysis in Mosuowan Reclamation JIN Xin-Xia, ZHANG Da-Ming(6) 30 ~ 37
- Germinal Vesicle Exchange among Oocytes from KM Mice at Different Ages CUI Long-Bo, ZHOU Xue-Ying, WANG Min-Qiang et al.(6) 38 ~ 43
- Distribution of S100 and Age-related Changes of its Expression in Cat Cerebellum ZHANG Chang-Zheng, ZHU Zai-Man, LUO Xun et al.(6) 44 ~ 48
- Rare and Endangered Animal Species**
- Spring Habitat Selection of the Chinese Grouse at Lianhuashan JI Ting, JIA Chen-Xi, JIANG Ying-Xin et al.(1) 49 ~ 53
- Preliminary Study on Nest-site Selection of *Gorsachius magnificus* ZHOU Fang, YU Li-Jiang, LU Zhou et al.(1) 54 ~ 58
- Preliminary Study on Group Characteristics of Blue Sheep (*Pseudois nayaur*) in Spring and Early Winter in Helan Mountain, China CAO Li-Rong, LIU Zhen-Sheng, WANG Xiao-Ming et al.(2) 28 ~ 33
- Current Population Size and Habitat Availability of Giant Panda (*Ailuropod melanoleuca*) in Gansu Province LI Xiao-Hong, ZHAO Chang-Qing(2) 34 ~ 37
- Winter Habitat Selection of Blue Eared Pheasant (*Crossoptilon auritum*) in Helan Mountain, China LIU Zhen-Sheng, CAO Li-Rong, LI Zhi-Gang et al.(2) 38 ~ 43
- Time Budget of Captive Great Bustard (*Otis tarda*) in Winter TIAN Xiu-Hua, ZHANG Bai-Lian, LIU Qun-Xiu et al.(2) 44 ~ 49
- Notes on the Vocalization of the Sichuan Jay (*Perisoreus internigrans*) and Its Behavioral Association with Breeding JING Yu, SUN Yue-Hua, Fang Yun(3) 30 ~ 34
- Time Budget of Captive Oriental White Storks in Breeding Season TIAN Xiu-Hua, WANG Jian-Rong, ZHANG Bai-Lian(3) 35 ~ 40
- Age Determination from Tooth of the Sperm Whale Collected in Qiongzhou Strait TANG Wen-Qiao, GUO Hong-Yk(3) 41 ~ 45
- The Survey of the Great Bustard in Winter in Tumuji, Inner Mongolia, China LI Xiao-Min, LIU Xue-Chang, ZHOU Jing-Ying et al.(3) 46 ~ 49
- A Preliminary Study on the Incubation Rhythms of the Blue-eared Pheasant at Lianhuashan, Gansu, China SUN Yue-Hua, JIA Chen-Xi, FANG Yun et al.(4) 29 ~ 33
- Markings as Indicator of Snow Leopard in Field Survey, in Xinjiang MA Ming, Bariushaa Munkhtsog, XU Feng et al.(4) 34 ~ 39
- Winter Food-habits of Goral in Tonghe Region of Lesser Xingan Mountains WU Jian-Ping, SHAN Ji-Hong, WANG Zhi-Ping(4) 40 ~ 44
- Comparing of Feeding Habitat Selection between the Wild and Semi-domestic White-naped Crane during the Pre-breeding Period in Zhalong Wetland ZOU Hong-Fei, WU Qing-Ming, NIU Mao-Gang(4) 45 ~ 50
- A Preliminary Census of Hooded Crane Population in the Breeding Area of Lesser Xingan Mountains GUO Yu-Min, LIU Xiang-Lin, XU Chun-Zhu et al.(4) 51 ~ 54
- Impacts of Captive Environment Change on Great Bustard's Behaviors in Breeding Season TIAN Xiu-Hua, ZHANG Bai-Lian, HE Xiang-Bao et al.(4) 55 ~ 59
- Food Habits of Serow SONG Yan-Ling, GONG Hui-Sheng, ZENG Zhi-Gao et al.(5) 50 ~ 56
- Conservation Strategies of the Giant Panda in China YAN Xur(5) 57 ~ 60
- Characteristic of Pulmonary Respiration of Chinese Giant Salamander in Different Captivity Conditions ZHENG He-Xun, WANG Xiao-Ming, TAO Feng-Yong(6) 49 ~ 53
- Conservation and Research of Crested Ibis DING Chang-Qing, LI Feng(6) 54 ~ 62
- Techniques and Methods**
- A Guide to the Measurement of Mammal Skull I: Basic Measurement YANG Qi-Sen, XIA Lin, MA Yong et al.(3) 50 ~ 56
- An Improved Method of Macronuclear Isolation of Ciliates for Scanning Electron Microscopy GU Li-Gang, ZHAO Liu, GU Fu-Kang(3) 57 ~ 59

Otolith Marking of Larval and Juvenile Chinese Sucker with Fluorescent Substances FU Zi-Dong , LI Jing , YUE Bi-Song et al . (4) 60 ~ 65

Improvement and Application of Hematoxylin Staining Solution ZHAO Hui-Ling(4) 66 ~ 68

Establishment and Cryopreservation of a Giant Panda Skin Fibroblast Cell Line ZHANG Ming , HOU Rong , ZHENG Hong-Pei et al . (5) 61 ~ 67

Islet Isolation and Purification in Experimental Animals LI Fen , XIA Xue-Pei , LIU Guang-Wei et al . (6) 63 ~ 66

A Guide to the Measurement of Mammal Skull II : Perissodactyla , Artiodactyla and Carnivor XIA Lin , YANG Qi-Sen , FENG Zuo-Jian et al . (6) 67 ~ 73

Natural Protected Areas

Niche Analysis of Wintering Waterbirds at the Eastern End of Chongming Island (Shanghai) ZHOU Hui , ZHONG Yang-Kang , ZHAO Ping et al . (1) : 59 ~ 65

Relations Study of Nature Reserve and Wild Vertebrates , on Fujian Province ZHOU Dong-Liang(1) : 66 ~ 71

Avifauna Diversity in Beijing Wulingshan Nature Reserve in Winter SONG Fu-Chun , ZHANG Xiang , ZHANG Wen-Lin et al . (2) 50 ~ 54

Breeding Ecology of Brown-breasted Bulbul GONG Hui-Sheng , GAO Xue-Bin , ZHAO Lei-Gang (5) 68 ~ 71

Notes

The EM Observation on the Myelinated Nerve Fiber of *Macrobrachium rosenbergii* Radiated by He-Ne Laser YAO Po , HUANG Li-Yi , CAO Ai-Di et al . (1) : 72 ~ 75

Isozyme Changes in Different Stage Embryos and Aborted Embryos in *Eriocheir sinensis* JIA Shou-Ju , YING Xue-Ping , CHEN Yan-Le et al . (1) 76 ~ 83

The Isozymes in Different Tissues of *Portunus triuberbulatus* YU Hong-Wei , ZHU Dong-Fa , HAN Bao-Qir(1) 84 ~ 87

Culture of Hepatopancreatic Cells and Hemocyte under Different pH Values in *Penaes japonicus* WANG Hong-Wei , MENG Cui-Li , LIU Jin et al . (1) 88 ~ 91

Dynamic of the Bird Distribution Status in Winter along the Changjiang River of the Three Gorges Reservoir before and after the Water Level Rising to 139 m SU Hua-Long , MA Qiang , XU Zhi-Qing et al . (1) 92 ~ 95

Nest-site Selection and Chick Growth of the White-rumped Munia(*Lonchura striata*) in Nanchong Sichuan ZHANG Jing-Qi , ZHOU You-Bing , ZHANG Jing-Xia et al . (2) 55 ~ 59

Effects of Paraquat Herbicide on Soil Animal in Agroecosystem ZHENG Rong-Quan , LI Di-Yan , KONG Jun-Miao(2) 60 ~ 65

The Ultrastructure of Spermatozoon in *Perna viridis* KE Jia-Ying , RAO Xiao-Zhen , CHEN Yin-Shan(2) 66 ~ 70

Sperm Morphology of Alpine Stream Salamander , *Batrachuperus tibetanus* QIN Li-Mei , XIE Feng , ZHENG Zhong-Hua et al . (2) 71 ~ 74

Preliminary Investigation on Freshwater Cladocera from Harbin Area ZHANG Hui-Xin , SHI Xin-Lu , CHEN Feng-Hu(2) 75 ~ 79

Survey on the Wintering Waterbirds of Hainan Island ZHANG Guo-Gang , LIANG Wei , LIU Dong-Ping et al . (2) 80 ~ 85

Preliminary Investigation on the Bird Community in Summer at Lalu Wetland , Lhasa BAO Xin-Kang , ZHANG Jian , QU Zha et al . (2) 86 ~ 89

Wood Migratory Bird Banding Research in Beidaihe in 2002 ZHONG Yi , YANG Ji-Guang , LIU Yong-Hong et al . (2) 90 ~ 95

Fluctuation of Soil Fauna Community in Baiwangshan during Paper Mulberry Leaf Litter Decomposition LIN Ying-Hua , ZHANG Fu-Dao , LIU Hai-Dong et al . (3) 60 ~ 66

Biological Characteristics and Artificial Reproduction Technique of *Octopus tankahkeei* JIAO Hai-Feng , YOU Zhong-Jie , BAO Yong-Bo (3) 67 ~ 71

Microstructure of Semiferous Lobules and Interstitial Tissue during the Reproductive Cycle in *Batrachuperus tibetanus* WANG Hong-Yuan , WANG Xiao-Ping , ZHANG Yu-Hui et al . (3) 72 ~ 76

Karyotype , C-band and Ag-NORs of *Limnonectes fujianensis* PENG Qiao-Ling , WANG Yang , XU Jing-Cheng et al . (3) 77 ~ 80

Annual Variation of the Testicular Microstructure of *Rana chensinensis* in the North Slope of Qinling Mountains YANG Chun , ZHANG Yu-Hui(3) 81 ~ 85

Breeding Ecology , Growth and Development of *Hirundo rustica* TIAN Li , ZHOU Cai-Quan , YI Hong-Guo et al . (3) 86 ~ 89

The Effect of Carnosine on the Chicken Hepatocytes *In Vitro* LI Wen-Qing , LIU Li(3) 90 ~ 94

Echocardiography of Rhesus Monkeys (*Macaca mulatta*) ZHANG Yan , TANG Hong , HUANG He et al . (3) 95 ~ 98

The Ophthalmic Artery Distribution in the Yak (*Bos grunniens*) SHAO Bao-Ping , DING Yan-Ping , YU Hong-Xian et al . (3) 99 ~ 103

Observation on Postembryonic Development of *Pelteobagrus vachelli* YANG Ming-Sheng , WANG Jian-Wei(4) 69 ~ 73

Observation of Gill Filaments in Gray Mullet and Mud Carp with Scanning Electronic Microscopy

.....	LI Jia-Er , LIU Cong , OU You-Jun et al . (4)	74 ~ 78
Discovery of <i>Plecoglossus altivelis</i> in Catchment of Yangtze River	HUANG Shao-Fang , TANG Wen-Qiao , GU Shu-Xin (4)	79 ~ 81
Effects of Na ⁺ , Glucose and Fructose on Sperm Mobility in <i>Coregonus autumnalis</i> .....	.....	.....
.....	LI Sheng-Zhong , GUO Yan , CAI Lin-Gang et al . (4)	82 ~ 85
Food Habit and Migrating Behavior of Frugivorous Birds in Autumn in Maoershan Mountain .....	.....	.....
.....	LU Chang-Hu , CHANG Jia-Chuan , YANG Xian-Feng et al . (4)	86 ~ 90
Reproduction of <i>Alligator sinensis</i> after Artificial Wintering	WANG Ren-Ping , XIA Tong-Sheng (4)	92 ~ 95
Types and Distribution of Mucous Cells in Mantle and Foot of <i>Octopus ocellatus</i>	WANG Yi-Yan , HAN Qiang , SUN Hu-Shan (4)	96 ~ 99
Community Structure and Its Diversity of Soil Animals in the Orange Land of Nanfeng County in Jiangxi Province .....	.....	.....
.....	YUAN Feng-Hui , LIU Xi-Ming , CHEN Lian-Shui et al . (4)	100 ~ 107
Comparative Analysis on the Protein Compositions between Vegetative and Resting Cell of Two Ciliates .....	.....	.....
.....	CHEN Ji-Wu , NI Bing , GU Fu-Kang (5)	72 ~ 76
Analysis of Morphological Variation within <i>Oncomelania hupensis</i> Populations .....	.....	.....
.....	ZHOU Yi-Biao , JIANG Qing-Wu , ZHAO Gen-Ming et al . (5)	77 ~ 83
The Fauna of Doridacea (Mollusca) of China Coast	YOU Zhong-Jie , LIN Guang-Yu (5)	85 ~ 90
The Effect of Dietary Selenium on the Activity of Superoxide Dismutase (SOD) in Muscle of <i>Caridina denticulata sinensis</i> .....	.....	.....
.....	WANG Hong-Wei , ZHAO Jian-Hua , CUI Shuang et al . (5)	91 ~ 94
The Fractionation of Spermatozoa and Analysis of Proteins in Various Fractions in <i>Eriocheir sinensis</i> .....	.....	.....
.....	CHENG Li-Jun , KANG Xian-Jiang , MU Shu-Mei et al . (5)	95 ~ 98
Analysis of Trace Elements in Different Tissues of 8 Kinds of Rare Fish in Jialing River .....	.....	.....
.....	WANG You-Hui , YE Yuan-Tu , LIN Shi-Mei et al . (5)	99 ~ 103
Breeding Habit of White Wagtail in Nanchong Sichuan	LIU Ya-Bin , ZHOU You-Bing , TANG Kuan-Jun et al . (5)	104 ~ 109
Adaptability of <i>Macrobrachium nipponense</i> Juvenile to Water Alkalinity and pH	YANG Fu-Yi , LI Xiu-Jun , YANG Xin-Qiao (6)	74 ~ 79
Geographical Distribution of Endemic Species of Chinese Freshwater Bivalves	HU Zi-Qiang (6)	80 ~ 83
Analysis of Chromosome Complement C-Banding and Ag-NORs of <i>Astronotus ocellatus</i> and <i>Pterophyllum scalare</i> .....	.....	.....
.....	CHEN You-Ling , WANG Yan-Yin , WU Wen-Shan et al . (6)	84 ~ 90
Oxygen Consumption Rate and Suffocated Concentration of <i>Pelteobagrus vachelli</i> and <i>P. fulvidraco</i> .....	.....	.....
.....	WAN Song-Liang , GE Lei , ZHANG Yang et al . (6)	91 ~ 95
Biological Characteristics of <i>Theridion pinastri</i>	ZHUANG Su-Xue , WANG Chang-Gui , CHEN Dong et al . (6)	96 ~ 98
Investigation on Distribution and Existence Current Status of Golden-headed Box Turtle .....	.....	.....
.....	TANG Xin-Sheng , CHENG Bing-Gong , OUYANG Li-Wen (6)	99 ~ 102
Ultrastructure of the Liver , Pancreas and Fat Body in <i>Phrynocephalus przewalskii</i> during Pre-hibernation and Mid-hibernation Periods .....	.....	.....
.....	KANG Xu , LIU Chong-Bin , WANG Zi-Ren et al . (6)	103 ~ 107
A Study on the Age Structure Dynamics and Reproductive Status of Great Gerbil 's Population .....	.....	.....
.....	ZHAO Tian-Biao , ZHOU Li-Zhi , ZHANG Zhong-Bing et al . (6)	108 ~ 113

Short Communications

The Breeding Colony of Chinese Crested Tern at Jiushan Archipelago in Zhejiang .....	.....	.....
.....	CHEN Shui-Hua , YAN Chong-Wei , FAN Zhong-Yong et al . (1)	96 ~ 97
First Summer Recorded of Siberian Crane in Inner Mongolia, China	LI Xiao-Min , SUN Zhi-Yong , YI Guo-Liang et al . (1)	98 ~ 100
A New Record of Vespertilionidae in Jilin Province	LIU Ying , LUN Xiao-Wen , LI Zhen-Xin et al . (1)	101 ~ 103
First Record of Chinese Bats : <i>Rhinolophus steno</i>	ZHANG Jin-Shuo , ZHANG Li-Biao , ZHAO Hui-Hua et al . (2)	96 ~ 98
The Measurement of Exterior Morphologies and Digestive Tracts Parameters of Sub-adult Mongolian Gazelle .....	.....	.....
.....	JIN Kun , CHENG Zhu , GAO Zhong-Xin et al . (4)	108 ~ 110
Observation on Mossy Bird Nests in Xiaolongmen Nature Reserve of Beijing	ZHOU Yan , SU Hui , GUO Xiao-Yan et al . (5)	110 ~ 113
The Habitat and the Northernmost Distribution of Lesser Club-footed Bat	ZHOU Quan , WU Yi , XIAO Ling et al . (6)	114 ~ 116

Review and Progress

A Review on the Research of the Cabot 's Tragopan	ZHANG Yan-Yun (1)	104 ~ 107
<i>Tetrahymena</i> : a Good Model Organism for Toxicology and Ecotoxicology	FU Cheng-Jie , YU Ting , MIAO Wei et al . (1)	108 ~ 113
Ageing-related Decline in Female Fertility	CUI Long-Bo , SUN Fang-Zhen (1)	114 ~ 118
Progress in the Studies on the IGF System in Fishes	ZHANG Li , HUANG Xi-Gui , WANG De-Shou (2)	99 ~ 105

- Progress in the Research of Sex Determination Mechanism and Associated Genes in Chicken MENG He , PAN Yu-Chun(2):106 ~ 111
- The Interaction and Coevolution between Insectivorous Bats and Insects LUO Feng , LIANG Bing , ZHANG Li-Biao et al. (3):104 ~ 110
- The Status and Research Trends of Great Bustard KONG You-Qin , LI Feng (3):111 ~ 115
- Theory and Its Development of Biogeography CHEN Ling , SONG Yan-Ling(4):111 ~ 120
- Cortical Cytoskeleton in Ciliates ZHAO Liu , ZHANG Ying , GU Fu-Kang (5):114 ~ 118
- Development of Biomagnetism in Avian Orientation WANG Yi-Nan , PAN Yong-Xin , TIAN Lan-Xiang et al. (5):119 ~ 123
- Research Progress in Toll-like Receptor Signal Pathways LIU Guang-Wei , XIA Xue-Pei , ZHAO Yong(6):117 ~ 121
- Advancements in the Morphological and Physiological Research on the Olfactory Organ of Fishes
 LIU Dong , ZHANG Zhen-Ling , ZHAO Ya-Hui et al. (6):122 ~ 128
- Advancements in the Research on the Function of Two Olfactory Systems in Mammals REN Bao-Jun , TAI Fa-Dao(6):129 ~ 136
- Postnatal Development of Thermoregulation in Altricial Mammals CHI Qing-Sheng , WANG De-Hua(6):137 ~ 143

Forum

- A Redisussion on the Taxonomic Status of *Cancumys canus* GU Yuan , MA Yong , SUN Yue-Hua(3):116 ~ 120
- On the Scientific Name of the *Takifugu* and Obscure Pufferfish CHEN Kui(5):124 ~ 126

Cover

- Cyclocosmia fricketti* , a Newly Recorded Trap-door Spider from Sichuan LI Shu-Qiang , LIU Feng-Xiang , CHEN Hai-Feng(2):112
- Serow(*Capricornis sumatraensis*) ZHOU You-Bing , ZHANG Jin-Shuo , SUO Jian-Zhong et al. (5) 84