

《动物学杂志》2013 年 第 48 卷 总目次

第 1 期

研究报告

- 岩原鲤促性腺激素基因的克隆和组织表达差异 章海滨 王 爽 张修月等(1~7)
 鲈鲤仔鱼的异速生长模式 何勇凤 吴兴兵 朱永久等(8~15)
 海陆蛙的两性异形和雌性繁殖特征 李春瑜 洪美玲 王力军等(16~21)
 小鼠组蛋白 H3K4 甲基化酶 *Smyd3* 启动子荧光素酶报告载体的构建与活性分析 雷学华 吴风瑞 刘 勇等(22~27)

珍稀濒危动物

- 藏鸨的自然历史、威胁和保护 居·扎西桑俄 果洛·周杰(28~35)
 江西黄山黄腹角雉种群食性观察 程松林 程 林 张彩霞等(36~42)
 圈养雄雉领域行为和粪便睾酮水平变化的关系 余晓俊 陈 珉 张恩迪等(43~48)

技术与方法

- 穿山甲标本和甲片的 DNA 提取及 PCR 扩增 邢亚琳 彭建军 胡慧建等(49~57)

自然保护区

- 贵州梵净山自然保护区土壤甲螨群落的季节动态 刘高峰 杨茂发(58~64)
 阿尔金山-昆仑山鸟类区系调查 马 鸣 张 同 张会斌等(65~74)

基础资料

- 淮河野生鲇鱼线粒体 *Cyt b* 基因的序列变异与遗传结构分析 肖明松 崔 峰 康 健等(75~86)
 三角鲂和长春鳊肌肉营养成分分析与品质评价 缪凌鸿 戈贤平 刘 波等(87~94)
 笼养大斑啄木鸟行为时间分配和活动节律 邢茂卓 张志明 田恒坎等(95~101)
 急性力竭运动后小鼠肾细胞凋亡水平的变化及牛磺酸的保护作用 李 艳(102~108)
 平凉地方牛群体母系遗传背景 赵生国 李文彬 陈富国等(109~117)
 幼犬个性特征的探索性因素分析 丁晓麟 强京宁 方建强等(118~124)

研究简报

- 重庆市发现光雾臭蛙和南江臭蛙 易建华 甘小平 黄自豪(125~128)
 5 种江西省两栖动物新纪录 杨剑煊 洪元华 赵 健等(129~133)
 安徽省发现福建华珊瑚蛇 陈进民 唐鑫生 黄 松(134~135)
 北京发现越冬黑头剑蛇 胡 磊 刘润泽 曲 宏等(136~138)
 河北省境内发现黑头剑蛇 孙晓煜 雷 隽 丁 利(139~140)
 遗鸥繁殖期新分布——内蒙古沃太湿地 高立杰 侯建华 董建新等(141~142)

综述与进展

- 鱼类分批繁殖力和繁殖频率的研究进展 王 腾 黄 丹 孙广文等(143~149)
 捕食风险的种群动态效应及其作用机理研究进展 石建斌(150~158)

动态与其他

- 白头鹇分布区进一步北扩至沈阳 李东来 丁振军 殷江霞等(74)
 安徽牯牛降发现短尾鸦雀 李永民 薛 辉 吴孝兵等(86)
 湖南八大公山发现红交嘴雀 张 强 金 彪 谷志荣等(94)
 贵州茂兰发现大草莺 张 强 冉景丞 王 茂等(101)

第 2 期

研究报告

- 东江源头区域鱼类物种多样性及群落组成的特征 邓风云 张春光 赵亚辉等(161~173)

| | |
|--------------------------------------|-------------------------|
| 17 β -雌二醇对雄性剑尾鱼精巢和肝发育的影响 | 温茹淑 钟燕婷 方展强等(174 ~ 181) |
| 西藏色季拉山高山倭蛙的产卵地选择 | 范丽卿 潘刚(182 ~ 187) |
| 东北林蛙的两性异形和抱对个体的形态相关性 | 刘鹏 刘恒 张德成等(188 ~ 192) |
| 光周期对四眼斑水龟繁殖影响 | 李闯 汪继超 张杰等(193 ~ 199) |
| 技术与方法 | |
| 一种利用 ViewGIS 软件绘制生物墨线图的方法 | 刘秀英 熊建利(200 ~ 205) |
| 自然保护区 | |
| 扎龙保护区人工林内中华攀雀巢址特征分析 | 郝萌 邹红菲(206 ~ 211) |
| 福建漳江口红树林鹭科鸟类巢址选择 | 谭飞 吴秋城 林英华等(212 ~ 219) |
| 基础资料 | |
| 基于大型底栖无脊椎动物群落的上海市河道水质生物学评价 | 陈小华 杨青 赵振等(220 ~ 231) |
| 黄海海城河口虾蛄种群的遗传多样性 | 张代臻 丁鸽 周婷婷等(232 ~ 240) |
| 怀头鲂胚胎发育过程卵膜形态结构变化及对孵化影响 | 刘伟 战培荣 陈军(241 ~ 248) |
| 不同发育时期哲罗鱼卵黄的超微结构 | 张永泉 尹家胜 杜佳等(249 ~ 255) |
| 温度对黑鮟幼鱼耗氧率和排氨率的影响 | 唐道军 徐善良 马斌(256 ~ 260) |
| 水产用聚维酮碘对异育银鲫养殖的安全性评价 | 高晓华 曹海鹏 侯三玲等(261 ~ 268) |
| 丝光椋鸟的代谢产热特征及体温调节的日周期变化 | 赵磊 郑立云 张伟等(269 ~ 277) |
| 研究简报 | |
| 微山湖发现中国淡水蛭 | 舒凤月 朱庆超 张念伟等(278 ~ 280) |
| 甘肃省庄浪县发现六盘齿突蟾 | 孙呈祥 龚大洁 孙立新等(281 ~ 283) |
| 警惕北美牛蛙入侵海南的风险 | 李闯 王力军 史海涛等(284 ~ 286) |
| 广东省发现南蝠 | 陈毅 刘奇 谭梁静等(287 ~ 291) |
| 鹰鹃在橙翅噪鹛巢中寄生繁殖 | 胡运彪 王小鹏 常海忠等(292 ~ 293) |
| 酒红朱雀的繁殖生态初步报道 | 胡运彪 常海忠 王小鹏等(294 ~ 297) |
| 综述与进展 | |
| 鱼类嗅觉系统和性信息素受体的研究进展 | 赖晓健 洪万树 张其永(298 ~ 305) |
| 胰岛素样生长因子 IGF 系统与鱼类性腺的研究进展 | 杨慧荣 赵会宏 陈彦珍(306 ~ 313) |
| 重视和加强中国实验动物的研究 | 陈领 胡景杰 陈越等(314 ~ 318) |
| 动态与其他 | |
| 北京小龙门发现淡尾鸬鹚 | 王代平 黄希 夏灿玮(219) |
| 贵州草海发现钳嘴鹳 | 罗祖奎 任峻 刘文等(240) |

第 3 期

研究报告

| | |
|---------------------------------------|------------------------|
| 草原沙蜥秋季食性分析 | 赵雪 毕俊怀 刘睿等(321 ~ 330) |
| 海南万泉河琼海段外来物种红耳龟与本地种中华条颈龟家域的比较研究 | 马凯 李闯 史海涛等(331 ~ 337) |
| 狐蝠科 3 种蝙蝠舌长度及结构比较 | 谭梁静 周善义 刘奇等(338 ~ 344) |
| 典型草原区达乌尔鼠兔年龄划分标准 | 陈立军 刘伟 苏永志等(345 ~ 350) |

珍稀濒危动物

| | |
|---------------------------------------------------------|-----------------------|
| 尾突角蟾 <i>Megophrys caudoprocta</i> (两栖纲,角蟾科)的进一步记述 | 沈猷慧 谷祺 廖春林(351 ~ 356) |
| 陕西红碱淖遗鸥育雏行为和雏鸟生长 | 汪青雄 杨超 刘铮等(357 ~ 362) |

技术与方法

| | |
|---------------------------|------------------------|
| 一种简便制作小型鱼类形态标本的方法 | 陈晓澄 胡延萍 李文靖(363 ~ 366) |
| 白条草蜥多态性微卫星位点的分离与鉴定 | 罗来高 吴义莲 耿军等(367 ~ 370) |
| 利用微卫星标记对种公牛进行个体识别鉴定 | 李倩倩 李莲 李慧等(371 ~ 376) |

自然保护区

- 鹦哥岭自然保护区鹦哥岭树蛙种群分布及数量调查 廖常乐 王合升 黄娟等(377~381)
- 白鹤中途停歇地主要食物蕨草球茎密度的空间插值方法研究 刘春悦 江红星 孙效维等(382~390)

基础资料

- 河南济源马铁菊头蝠不同越冬期肠道寄生蠕虫群落比较 马金友 余燕 牛红星等(391~398)
- 盐度对哈氏仿对虾肌肉一般营养成分和氨基酸组成及含量的影响 施永海 张根玉 刘永士等(399~406)
- 拟穴青蟹 *OTUB* 的分子克隆及其在性腺发育过程中的表达 高洁 邹志华 贾锡伟等(407~416)
- 铜尾矿复垦地土壤动物群落的恢复 朱永恒 李克中 余健等(417~427)
- 盐度、温度对卵形鲳鲅选育群体肝抗氧化酶活力的影响 刘汝建 区又君 李加儿等(428~436)
- 贝氏高原鳅消化系统胚后发育的形态及组织结构 熊洪林 姚艳红 王志坚(437~445)
- 恩诺沙星对银鲫急性毒性及血液生化指标的影响 赵蕾 曹海鹏 陈辉等(446~450)
- 山溪鲩的脊柱特征,兼议有尾目脊柱的划分 熊建利 余平静 张纪亮等(451~456)
- 中国大鲵生殖腺胚后发育的形态学观察 郭利伟 王中乾 刘巧巧等(457~464)
- 中华鳖日本品系体内氟苯尼考药物代谢动力学研究 张海琪 林静 黎飞等(465~473)
- 白胸苦恶鸟消化管的组织学观察 朱磊(474~479)
- 中缅树鼩 *UCP2* cDNA 核心片段的序列分析 余婷婷 张麟 高文荣等(480~486)

研究简报

- 贵州省荔波发现百花锦蛇 谢莉 宋先华 蒋鸿等(487~489)

综述与进展

- 中国的紫水鸡——其分布与种下分类问题的回顾与探讨 何芬奇 林植 江航东(490~496)

动态与其他

- 湖北神农架发现灰背伯劳 章波 周权 杨开华等(356)
- 安徽阜阳发现白头鹎 刘子祥 唐梓钧 舒服等(398)
- 云南发现高原山鹑和白鹤 韩联宪 韩奔 王高祥等(406)

第 4 期**研究报告**

- 钱塘江口弹涂鱼繁殖特征及早期发育 王磊 唐文乔 孙莎莎等(497~506)
- 利用微卫星遗传标记探讨达氏鳢的多倍体倍性 张小敏 马徐发 吴文化等(507~512)
- 杂色山雀指名亚种繁殖期的鸣声行为 李剑 万冬梅 李东来等(513~520)
- 典型草原区布氏田鼠鼠害防治的经济阈值 苏永志 宛新荣 王梦军等(521~525)

珍稀濒危动物

- 安徽发现安吉小鲵 李永民 吴孝友 方国富等(526~528)
- 繁殖前期中国大鲵雄性成体的冲凉行为及其意义 徐文刚 王中乾 梁刚(529~533)

技术与方法

- 大中型鸟类标本修复翻新方法探索 陈晓澄 胡延萍 李文靖(534~536)

自然保护区

- 鄱阳湖都昌候鸟自然保护区丰水期和枯水期鸟类多样性 钱法文 李言阔 陆军等(537~547)

基础资料

- 悦目金蛛拖牵丝力学性能的变异 蒋平 卓春晖 肖永红等(548~554)
- 低盐度海水和淡水对中华绒螯蟹性腺发育及交配行为的影响 吴旭干 赵亚婷 何杰等(555~561)
- 植酸酶对草鱼和新吉富罗非鱼消化酶活性的影响 华雪铭 陈瑶琴 王世忠等(562~568)
- 美丽硬仆骨舌鱼核型分析 田媛 牟希东 汪学杰等(569~573)
- 富马酸二甲酯对斑马鱼胚胎早期发育的影响 王雪 彭维兵 王希敏等(574~580)
- 黑斑蛙嗅器和犁鼻器的组化及超微结构特征 刘静 吴民耀 刘亦晨等(581~587)
- 花背蟾蜍蝌蚪皮肤的结构与发育 李妍 李丕鹏 崔惠生等(588~596)

桂西南石灰岩地区部分鸟类繁殖资料记述 蒋德梦 周 放 蒋爱伍等(597~604)

基于线粒体 *ND2* 基因全序列探讨红碱淖湿地繁殖鸥类的系统发育地位 杨 超 汪青雄 黄 原等(605~618)

香格里拉县小型兽类垂直空间生态位初步研究 刘正祥 洪 梅 杨桂荣等(619~625)

禁食和重喂食对大绒鼠消化道长度与重量的影响 高文荣 朱万龙 余婷婷等(626~633)

麻黄素对仔鼠睾丸组织结构和 *Bax*、*EGF* 蛋白的影响 肖世南 俞诗源(634~641)

急性铅应激诱导肝肾损伤及其分子机制初探 耿雪侠 戴 欣 晁秋杰等(642~649)

研究简报

河南省栾川县伏牛山发现翼手目物种大菊头蝠 张 婵 王艳梅 牛红星(650~654)

综述与进展

软体动物维甲酸 X 受体研究进展 李 维 王淑红 王艺磊等(655~664)

动态与其他

江西发现蓝鸚及深色型白鹭 张微微 应 钦 纪伟东等(561)

蓑羽鹤在鄂尔多斯桃-阿海子的繁殖记录 任永奇 苏雅拉 何芬奇(641)

第 5 期

研究报告

甘肃莲花山斑尾榛鸡的春季领域行为 石 美 孙悦华 温安祥等(665~672)

黑琴鸡北方亚种 mtDNA D-loop 遗传多样性初步研究 徐秀丽 蔡晓淇 白素英(673~679)

峨眉山灰胸鹳冬季栖息地特征 付义强 文陇英 叶 航等(680~685)

崇明东滩鸟类栖息地优化区越冬水鸟的栖息地利用及影响因子 金 欣 任晓彤 彭鹤博等(686~692)

钦州湾越冬鸕鹚类对不同生境利用分析 廖晓雯 陆 舟 舒晓莲等(693~700)

珍稀濒危动物

陕西安康朱鹮再引入种群个体死亡原因分析 李 夏 霍志萍 于晓平(701~706)

云南纳帕海湿地越冬黑鹳种群动态和迁徙 刘 强 杨晓君 朱建国(707~711)

扎龙自然保护区人工辅助繁育丹顶鹤的保护实践 吴庆明 王文峰 徐铁林等(712~716)

技术与方法

模型分析在动物进化生物学研究中的应用 吕 楠 孙悦华(717~725)

野生动物声音定位系统模拟实验及精度分析 王代平 夏灿玮 张丽君等(726~731)

动物栖息地选择评估的常用统计方法 赵青山 楼瑛强 孙悦华(732~741)

基础资料

若尔盖湿地水鸟资源季节变化 张国钢 戴 强 刘冬平等(742~749)

近年来中国鸟类野外新纪录的解析 刘 阳 危 骞 董 路等(750~758)

鄱阳湖越冬白鹤家庭行为 张 琼 钱法文(759~768)

大杜鹃在白腹短翅鸫巢中寄生繁殖 胡运彪 蒋迎昕 常海忠等(769~773)

研究简报

白顶鸫 (*Emberiza stewarti*) ——中国鸟类新纪录 田少宣 丁进清 马 鸣等(774~775)

陕西定边苟池湿地发现遗鸥繁殖群分布 肖 红 王开锋 冯 宁等(776~777)

越冬期大鸨羽毛九种重金属测定 吴逸群 刘建文 许 秀等(778~780)

新疆青格达湖湿地自然保护区及周边地区的鸟类 马 鸣(781~787)

封面动物

中华凤头燕鸥 陈水华 范忠勇(788~789)

综述与进展

台湾、海南与大陆鸟类的亲缘关系 颜重威(790~796)

物种丰富度垂直分布格局及影响机制 吴永杰 雷富民(797~807)

城市化对鸟类的影响:从群落到个体 张 琴 兰思思 黄 秦等(808~816)

第 6 期

研究报告

- 我国 头槽绦虫的鱼类宿主种类及其地理分布 习丙文 谢 骏 王桂堂(817 ~ 823)
- 广东长潭水库浮游生物群落结构特征 胡国成 姚玲爱 张丽娟等(824 ~ 833)
- 荒漠破碎化生境中长爪沙鼠集合种群野外验证研究 张晓东 武晓东 付和平等(834 ~ 843)
- 新疆哈密山区天山马鹿种群数量和冬季生境选择 艾萨江·图合提 艾斯卡尔·买买提 马合木提·哈力克等(844 ~ 851)

技术与方法

- 黑龙江省野生东北虎调查管理信息系统的构建 马 天 冯仲科 郑 君等(852 ~ 858)

基础资料

- 皇甫川流域中小型土壤动物对不同水土治理措施的反应 哈斯塔米尔 罗瑞芳 刘新民(859 ~ 867)
- 淮河克氏原螯虾种群遗传结构 李小花 刘 刚 周立志等(868 ~ 874)
- 龟足消化系统形态和组织学特点 陈昭娜 林 岗 陈 宁等(875 ~ 883)
- 不同月龄虹鳟肝显微及超微结构特征 袁莉刚 曲亚玲 黄布敏等(884 ~ 893)
- 奥利亚罗非鱼髓样分化因子(MyD88)的克隆及其在组织中的表达 邹芝英 王 倩 杨 弘等(894 ~ 904)
- 异育银鲫 GABA_B受体 1 亚基 cDNA 部分序列的克隆及表达分析 王 祎 阮记明 周爱玲等(905 ~ 911)
- 花背蟾蜍消化道 5-羟色胺细胞的分布及形态学特征 牛鑫鑫 咸振飞 金晨晨等(912 ~ 918)
- 江西省两栖类动物多样性与地理区划 李言阔 单继红 龚 瑜(919 ~ 925)
- 跨种扩增筛选大鳄龟微卫星标记及遗传多样性分析 闵金金 张加勇 郑荣泉等(926 ~ 932)
- 内蒙古二连浩特市鸟类区系特征及群落结构 潘 斌 杨贵生 李 敏(933 ~ 941)
- 白眼潜鸭秋季行为时间分配及活动节律 赵序茅 马 鸣 张 同(942 ~ 946)
- 暗腹雪鸡与海兰褐鸡血液生理生化指标的比较 姜玲玲 何宗霖 姚 刚(947 ~ 952)
- 蜂桶寨自然保护区中华姬鼠及社鼠饱满度的年龄和季节变化 母华强 袁施彬 张泽钧等(953 ~ 957)
- 塔里木兔与家兔胰腺水通道蛋白表达的比较 张建萍 邓 芳 沙爱龙等(958 ~ 963)
- 中国美利奴羊 *H-FABP* 基因多态性及其与部分肉质性状的相关性 罗 燕 谷新利 赵宗胜等(964 ~ 970)

综述与进展

- 涡虫生殖生物学研究进展 石长应 张合彩 陈广文(971 ~ 978)

动态与其他

- 云南发现小滨鹬 白皓天 罗 康 王紫江等(833)
- 北京发现凤头鹰和黑翅鸢 闻 丞 宋 晔 韩 冬等(851)
- 封面动物 豹猫 林 植(952)

CHINESE JOURNAL OF ZOOLOGY

CONTENTS

Vol. 48 No. 1 – 6

No. 1

2013

Research Papers

- Cloning and Gene Expression of cDNA for the Gonadotropin Hormone in Rock Carp (*Procypris rabaudi*)
 ZHANG Hai-Bin, WANG Shuang, ZHANG Xiu-Yue et al. (1 ~ 7)
- Allometric Growth Pattern of *Percocypris pingi pingi* Larvae HE Yong-Feng, WU Xing-Bing, ZHU Yong-Jiu et al. (8 ~ 15)
- Sexual Dimorphism and Female Reproductive Trait of the Crab-eating Frog
 LI Chun-Yu, HONG Mei-Ling, WANG Li-Jun et al. (16 ~ 21)
- Construction and Analysis of Luciferase Reporter Vectors for Promoter of *Smyd3*, A Gene Encoding Mouse H3K4 Methylase
 LEI Xue-Hua, WU Feng-Rui, LIU Yong et al. (22 ~ 27)

Rare and Endangered Animal Species

- Study on the Tibetan Bunting: Distribution, Population, Breeding Information and Conservation
 JU Tashi Zangpo, GOLOK Druk Kyab (28 ~ 35)
- Observations on Diet of Cabot's Tragopan at Huanggangshan in Jiangxi Province, China
 CHENG Song-Lin, CHENG Lin, ZHANG Cai-Xia et al. (36 ~ 42)
- Correlation Between Seasonal Changes in Territory Behavior and Fecal Testosterone Level in Captive Male Chinese Water
 Deer (*Hydropotes inermis*) YU Xiao-Jun, CHEN Min, ZHANG En-Di et al. (43 ~ 48)

Techniques and Methods

- Extraction and Amplification of DNA from Pangolin Specimen and Scales
 XING Ya-Lin, PENG Jian-Jun, HU Hui-Jian et al. (49 ~ 57)

Natural Protected Areas

- Seasonal Dynamics of Soil Oribatid Mite Community in Fanjing Mountain National Nature Reserve, Guizhou Province
 LIU Gao-Feng, YANG Mao-Fa (58 ~ 64)
- Survey of Avifauna in Kunlun and Altun Mountains MA Ming, ZHANG Tong, ZHANG Hui-Bin et al. (65 ~ 74)

Notes

- Genetic Structure and Variation of Wild Chinese Catfish from Huaihe River Based on Cytochrome *b* Gene Sequences
 XIAO Ming-Song, CUI Feng, KANG Jian et al. (75 ~ 86)
- Nutritive Quality and Nutritional Component in the Muscle of *Megalobrama tarminalis* and *Parabramis pekinensis*
 MIAO Ling-Hong, GE Xian-Ping, LIU Bo et al. (87 ~ 94)
- Time Budget and Activity Rhythm of Captive Great Spotted Woodpecker
 XING Mao-Zhuo, ZHANG Zhi-Ming, TIAN Heng-Jiu et al. (95 ~ 101)
- Changes of Renal Cell Apoptosis Level after Acute Exhaustive Exercise and Preventive Effect of Taurine in Mice LI Yan (102 ~ 108)
- Maternal Genetic Background of Pingliang Native Cattle ZHAO Sheng-Guo, Li Wen-Bin, CHEN Fu-Guo et al. (109 ~ 117)
- An Analysis on the Personality Exploratory Traits of the Puppy
 DING Xiao-Lin, QIANG Jing-Ning, FANG Jian-Qiang et al. (118 ~ 124)

Short Communications

- Discovery of *Odorrana kuangwuensis* and *O. nanjiangensis* in Chongqing Municipality
 YI Jian-Hua, GAN Xiao-Ping, HUANG Zi-Hao et al. (125 ~ 128)
- Five New Records of Amphibians in Jiangxi Province, China YANG Jian-Huan, HONG Yuan-Hua, ZHAO Jian et al. (129 ~ 133)

| | |
|---------------------------------------------------------------------------------------------|------------------------------------------------------------|
| <i>Sinomicrurus kelloggi</i> Firstly Found in Anhui Province, China | CHEN Jin-Min, TANG Xin-Sheng, HUANG Song(134 ~ 135) |
| <i>Sibynophis chinensis</i> : Discovery of Wintering Snake in Beijing | HU Lei, LIU Run-Ze, QU Hong, et al. (136 ~ 138) |
| <i>Sibynophis chinensis</i> Firstly Found in Hebei Province, China | SUN Xiao-Yu, LEI Jun, DING Li(139 ~ 140) |
| New Distribution of the Relict Gulls in Breeding Season —Aotai Lake of Inner Mongolia | GAO Li-Jie, HOU Jian-Hua, DONG Jian-Xin et al. (141 ~ 142) |

Review and Progress

| | |
|-------------------------------------------------------------------------------|--------------------------------------------------------|
| The Research Progress of Fish Batch Fecundity and Spawning Frequency | WANG Teng, HUANG Dan, SUN Guang-Wen et al. (143 ~ 149) |
| Effect of Predation Risk on Prey Population Dynamics and Its Mechanisms | SHI Jian-Bin(150 ~ 158) |

No. 2

Research Papers

| | |
|-----------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|
| Diversity and Community Structure of the Fishes in the Headstream Region of the Dongjiang River | DENG Feng-Yun, ZHANG Chun-Guang, ZHAO Ya-Hui et al. (161 ~ 173) |
| Effects of 17 β -estradiol on the Development of the Testis and Liver in Male Swordtail Fish (<i>Xiphophorus helleri</i>) | WEN Ru-Shu, ZHONG Yan-Ting, FANF Zhan-Qiang et al. (174 ~ 181) |
| Oviposition Sites Selection by <i>Nanorana parkeri</i> in Sejila Mountain, Tibet | FAN Li-Qing, PAN Gang(182 ~ 187) |
| Sexual Dimorphism and Morphological Correlates of Mating Individuals in the Frog <i>Rana dybowskii</i> | LIU Peng, LIU Heng, ZHANG De-Cheng et al. (188 ~ 192) |
| The Influence of Photoperiod on the Reproduction of <i>Sacalia quadriocellata</i> | LI Chuang, WANG Ji-Chao, ZHANG Jie et al. (193 ~ 199) |

Techniques and Methods

| | |
|----------------------------------------------------------------------------------|----------------------------------------|
| A Method of Drawing Biological Black Line Chart Using the ViewGIS Software | LIU Xiu-Ying, XIONG Jian-Li(200 ~ 205) |
|----------------------------------------------------------------------------------|----------------------------------------|

Natural Protected Areas

| | |
|------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|
| The Nest-site Characteristics of Chinese Penduline Tit in Planted Forest of Zhalong Nature Reserve | HAO Meng, ZOU Hong-Fei(206 ~ 211) |
| Nest-site Selection of Ardeidae Birds in Mangrove Habitats of Zhangjiang Estuary in Fujian Province, China | TAN Fei, WU Qiu-Cheng, LIN Ying-Hua et al. (212 ~ 219) |

Notes

| | |
|--------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|
| Evaluation on River Water Quality Based on the River Substrate Macro-invertebrate in Shanghai, China | CHEN Xiao-Hua, YANG Qing, ZHAO Zhen et al. (220 ~ 231) |
| Genetic Diversity of <i>Oratosquilla oratoria</i> Populations in Yellow Sea | ZHANG Dai-Zhen, DING Ge, ZHOU Ting-Ting et al. (232 ~ 240) |
| The Change of Fertilization Egg Envelope and Its Effect on Embryo Hatching in Northern Sheatfish | LIU Wei, ZHAN Pei-Rong, CHEN Jun(241 ~ 248) |
| The Ultrastructure of Vitellogenesis in <i>Hucho taimen</i> at Different Developmental Stages | ZHANG Yong-Quan, YIN Jia-Sheng, DU Jia et al. (249 ~ 255) |
| Influence of Temperature on Oxygen Consumption and Ammonia Excretion of Juvenile <i>Girella melanichthys</i> | TANG Dao-Jun, XU Shan-Liang, MA Bin(256 ~ 260) |
| Safety Evaluation of Fishery Povidonum-iodum on <i>Carassius auratus gibelio</i> | GAO Xiao-Hua, CAO Hai-Peng, HOU San-Ling et al. (261 ~ 268) |
| Daily Cyclic Variation of Metabolism and Thermoregulation in the Silky Starling | |

..... ZHAO Lei, ZHENG Li-Yun, ZHANG Wei et al. (269 ~ 277)

Short Communications

- Novaculina chinensis* Found in Lake Weishan, Shandong Province
 SHU Feng-Yue, ZHU Qing-Chao, ZHANG Nian-Wei et al. (278 ~ 280)
- Scutigera liupanensis* Was Found in Zhuanglang Countytown of Gansu Province
 SUN Cheng-Xiang, GONG Da-Jie, SUN Li-Xin et al. (281 ~ 283)
- Attention to Invasive Risk of American Bullfrog for Hainan Island
 LI Chuang, WANG Li-Jun, SHI Hai-Tao et al. (284 ~ 286)
- Ia ia* Was Discovered in Guangdong Province
 CHEN Yi, LIU Qi, TAN Liang-Jing et al. (287 ~ 291)
- Brood Parasitism on Elliot's Laughingthrush by Large Hawk Cuckoo
 HU Yun-Biao, WANG Xiao-Peng, CHANG Hai-Zhong et al. (292 ~ 293)
- Breeding Notes of the Vinaceous Rosefinch at Lianhuashan Nature Reserve, Gansu
 HU Yun-Biao, CHANG Hai-Zhong, WANG Xiao-Peng et al. (294 ~ 297)

Review and Progress

- Research Progresses in Fish Olfactory System and Sex Pheromonal Receptors
 LAI Xiao-Jian, HONG Wan-Shu, ZHANG Qi-Yong (298 ~ 305)
- Insulin-Like Growth Factor System and Gonadal Function in Fish
 YANG Hui-Rong, ZHAO Hui-Rong, CHEN Yan-Zhen (306 ~ 313)
- Value and Strengthen the Study of Laboratory Animals in China
 CHEN Ling, HU Jing-Jie, CHEN Yue et al. (314 ~ 318)

No. 3

Research Papers

- The Feeding Habits of Toad-headed Lizard (*Phrynocephalus frontalis*) in Autumn ... ZHAO Xue, BI Jun-Huai, LIU Rui et al. (321 ~ 330)
- Home Range Comparison of Exotic Species *Trachemys scripta elegans* and Native Species *Mauremys sinensis* in the Qionghai
 Section of Wanquan River, Hainan Island, China
 MA Kai, LI Chuang, SHI Hai-Tao et al. (331 ~ 337)
- Tongue Length and Structure of Three Bat Species in Pteropodidae
 TAN Liang-Jing, ZHOU Shan-Yi, LIU Qi et al. (338 ~ 344)
- The Age Determination of *Ochotona dauurica* by Carcass Weight and Body Weight in Typical Steppe
 CHEN Li-Jun, LIU Wei, SU Yong-Zhi et al. (345 ~ 350)

Rare and Endangered Animal Species

- Additional Record of *Megophrys caudoprocta* (Amphibia, Megophryidae)
 SHEN You-Hui, GU Qi, LIAO Chun-Lin (351 ~ 356)
- Brooding Behavior and Nestling Growth of Relict Gull in Hongjiannao, Shanxi Province
 WANG Qing-Xiong, YANG Chao, LIU Zheng et al. (357 ~ 362)

Techniques and Methods

- A Simple and Convenient Method for Making Ecological Specimens of Small Fishes
 CHEN Xiao-Cheng, HU Yan-Ping, LI Wen-Jing (363 ~ 366)
- Isolation and Characterization of Nine Polymorphic Microsatellites for White-striped Grass Lizard
 LUO Lai-Gao, WU Yi-Lian, GENG Jun et al. (367 ~ 370)
- Individual Identification of Bulls Based on Microsatellite Markers
 LI Qian-Qian, LI Lian, LI Hui et al. (371 ~ 376)

Natural Protected Areas

- Field Survey on Population Size and Distribution of *Rhacophorus yinggelingensis* in Yinggeling Nature Reserve
 LIAO Chang-Le, WANG He-Sheng, HUANG Juan et al. (377 ~ 381)
- Comparison of the Spatial Interpolation Methods for the Tuber Density of Two *Scirpus* Species: Main Food of Siberian Cranes
 at the Stopover Site
 LIU Chun-Yue, JIANG Hong-Xing, SUN Xiao-Wei et al. (382 ~ 390)

Notes

- Comparison of Intestinal Helminth Communities from the Bat *Rhinolophus ferrumequinum* during Different Hibernation Periods
in Jiyuan City, Henan Province, China MA Jin-You, YU Yan, NIU Hong-Xing et al. (391 ~ 398)
- Effects of Salinity on Nutrient Composition, Amino Acid Composition and Content in the Muscle of *Parapenaopsis hardwickii*
..... SHI Yong-Hai, ZHANG Gen-Yu, LIU Yong-Shi et al. (399 ~ 406)
- Molecular Cloning and Expression Analysis of *OTUB* during Gonadal Development in *Scylla paramamosain*
..... GAO Jie, ZOU Zhi-Hua, JIA Xi-Wei et al. (407 ~ 416)
- Rehabilitation of Soil Fauna in Reclaimed Abandoned Land of Copper-mine-tailings ZHU Yong-Heng, LI Ke-Zhong, YU Jian et al. (417 ~ 427)
- Effects of Salinity and Temperature on the Activity of Antioxidant Enzymes in Livers of Selective Group of *Trachinotus ovatus*
..... LIU Ru-Jian, OU You-Jun, LI Jia-Er et al. (428 ~ 436)
- Histomorphology of the Digestive System during Post-embryonic Development of *Triplophysa bleekeri* XIONG Hong-Lin, YAO Yan-Hong, WANG Zhi-Jian (437 ~ 445)
- Acute Toxicity of Enrofloxacin to *Carassius auratus gibelio* and Its Effects on Blood Biochemical Indexes ZHAO Lei, CAO Hai-Peng, CHEN Hui et al. (446 ~ 450)
- Vertebral Column Characteristics of *Batrachuperus pinchonii*, and Discussion on the Division of the Vertebral Column in Urodela
..... XIONG Jian-Li, YU Ping-Jing, ZHANG Ji-Liang et al. (451 ~ 456)
- Morphological Study on the Postembryonic Development of the Gonad in the Chinese Giant Salamander *Andrias davidianus*
..... GUO Li-Wei, WANG Zhong-Qian, LIU Qiao-Qiao et al. (457 ~ 464)
- Pharmacokinetics of Florfenicol in *Pelodiscus sinensis* Japanese Strain ZHANG Hai-Qi, LIN Jing, LI Fei et al. (465 ~ 473)
- Histological Observation on the Digestive Tract of White-breasted Waterhen ZHU Lei (474 ~ 479)
- Analysis of the Partial cDNA Sequence of *UCP2* Gene in *Tupaia belangeri* YU Ting-Ting, ZHANG Lin, GAO Wen-Rong et al. (480 ~ 486)

Short Communications

- Elaphe moellendorffi* Was Discovered in Libo County, Guizhou Province XIE Li, SONG Xian-Hua, JIANG Hong et al. (487 ~ 489)

Review and Progress

- The Purple Gallinule in China— A Review on Its Distribution and the Subspecies HE Fen-Qi, LIN Zhi, JIANG Hang-Dong (490 ~ 496)

No. 4

Research Papers

- Reproductive Characteristics, Embryonic and Post-embryonic Development of *Periophthalmus modestus* from Qiantang River
Estuary WANG Lei, TANG Wen-Qiao, SUN Sha-Sha et al. (497 ~ 506)
- Polyploidy of *Huso dauricus* as Revealed by Microsatellite Genetic Markers ZHANG Xiao-Min, MA Xu-Fa, WU Wen-Hua et al. (507 ~ 512)
- Vocal Behavior of *Parus varius varius* during Breeding Season LI Jian, WAN Dong-Mei, LI Dong-Lai et al. (513 ~ 520)
- Economical Thresholds of Brandt's Vole in the Typical Steppe in Inner Mongolia Grassland SU Yong-Zhi, WAN Xin-Rong, WANG Meng-Jun et al. (521 ~ 525)

Rare and Endangered Animal Species

- Hynobius amjensis* Found in Anhui Province, China LI Yong-Min, WU Xiao-You, FANG Guo-Fu et al. (526 ~ 528)
- The Washing Behavior and Its Significance for Male Adult *Andrias davidianus* in the Pre-reproductive Period XU Wen-Gang, WANG Zhong-Qian, LIANG Gang (529 ~ 533)

Techniques and Methods

- A Method for Repair and Renovate Ecological Specimens of Birds CHEN Xiao-Cheng, HU Yan-Ping, LI Wen-Jing (534 ~ 536)

Natural Protected Areas

The Bird Species Diversity in Flood Period and Low Water Period in Duchang Migratory Bird Nature Reserve of Poyang Lake QIAN Fa-Wen, LI Yan-Kuo, LU Jun et al. (537 ~ 547)

Notes

Variability in Tensile Properties of Dragline Silk from *Argiope amoena* JIANG Ping, ZHUO Chun-Hui, XIAO Yong-Hong et al. (548 ~ 554)

Effects of Brackish Water and Fresh Water on Gonadal Development and Mating Behavior of Adult Chinese Mitten Crab WU Xu-Gan, ZHAO Ya-Ting, HE Jie et al. (555 ~ 561)

Effect of Plant-Based Diets Supplemented with Phytase on Digestive Enzyme Activities in Grass Carp and NEW GIFT Nile Tilapia HUA Xue-Ming, CHEN Yao-Qin, WANG Shi-Zhong et al. (562 ~ 568)

Karyotype Analysis of *Sceloporus formosus* TIAN Yuan, MU Xi-Dong, WANG Xue-Jie et al. (569 ~ 573)

Toxic Effect of Dimethyl Fumarate on Early Development of Zebrafish Embryos WANG Xue, PENG Wei-Bing, WANG Xi-Min et al. (574 ~ 580)

Ultrastructure and Histochemical Characteristics of Olfactory and Vomeronasal Organ in *Pelophylax nigromaculatus* LIU Jing, WU Min-Yao, LIU Yi-Chen et al. (581 ~ 587)

The Structure and Development of Larval Skin in *Bufo raddei* LI Yan, LI Pi-Peng, CUI Hui-Sheng et al. (588 ~ 596)

Breeding Notes on 18 Bird Species in Limestone Area of Southwestern Guangxi JIANG De-Meng, ZHOU Fang, JIANG Ai-Wu et al. (597 ~ 604)

Phylogenetic Status of Breeding Gulls in Hongjiannao Wetland Based on Complete Sequences of the Mitochondrial ND2 Gene YANG Chao, WANG Qing-Xiong, HUANG Yuan et al. (605 ~ 618)

Preliminary Study on Vertical Spatial Niche of Small Mammals in Shangrila County of Yunnan Province LIU Zheng-Xiang, HONG Mei, YANG Gui-Rong et al. (619 ~ 625)

Effects of Fasting and Refeeding on Mass and Length of Digestive Tract in *Eothenomys miletus* GAO Wen-Rong, ZHU Wan-Long, YU Ting-Ting et al. (626 ~ 633)

Effects of Ephedrine on Histological Structure and Expression of Bax and EGF in Testis of Young Male Mice XIAO Shi-Nan, YU Shi-Yuan (634 ~ 641)

Injury of Liver and Kidney Caused by Acute Lead Poisoning and Related Molecular Mechanisms in Mice GENG Xue-Xia, DAI Xin, CHAO Qiu-Jie et al. (642 ~ 649)

Short Communications

Rhinolophus luctus Found in Funiu Mountain, Luanchuan County, Henan Province ZHANG Chan, WANG Yan-Mei, NIU Hong-Xing (650 ~ 654)

Review and Progress

Retinoid X Receptor in Mollusc LI Wei, WANG Shu-Hong, WANG Yi-Lei et al. (655 ~ 664)

No. 5

Research Papers

Spring Territory Behavior of the Chinese Grouse (*Tetrastes sewerzowi*) at Lianhuashan, Gansu, China SHI Mei, SUN Yue-Hua, WEN An-Xiang et al. (665 ~ 672)

Genetic Diversity of the Black Grouse *Tetrao tetrix baikalensis* at Daxinganling Based on the mtDNA D-loop Sequences XU Xiu-Li, CAI Xiao-Qi, BAI Su-Ying (673 ~ 679)

Winter Habitat Characteristics of Emei Shan Liocichla at Emei Mountain in China FU Yi-Qiang, WEN Long-Ying, YE Hang et al. (680 ~ 685)

Habitat Use and Factors Affecting Distribution of Wintering Waterbirds in the Wetland Restoration Area at Chongming Dongtan JIN Xin, REN Xiao-Tong, PENG He-Bo et al. (686 ~ 692)

Habitat Selection Analysis of Wintering Shorebirds at Qin Zhou Bay, Guangxi

- LIAO Xiao-Wen, LU Zhou, SHU Xiao-Lian et al. (693 ~ 700)
- Rare and Endangered Animal Species**
- Cause of Death of the Crested Ibis of A Reintroduced Population in Ningshan, Shaanxi
 LI Xia, HUO Zhi-Ping, YU Xiao-Ping (701 ~ 706)
- Wintering Population Change and Migration of Black Stork at Napahai Wetland, Yunnan, China
 LIU Qiang, YANG Xiao-Jun, ZHU Jian-Guo (707 ~ 711)
- Conservation Practice of Artificial Breeding Red-crowned Crane in Zhalong Nature Reserve, China
 WU Qing-Ming, WANG Wen-Feng, XU Tie-Lin et al. (712 ~ 716)
- Techniques and Methods**
- The Application of Modeling Methods in Animal Evolutionary Biology LÜ Nan, SUN Yue-Hua (717 ~ 725)
- A Simulation Experiment on Acoustic Location System of Wildlife and Its Accuracy Analysis
 WANG Dai-Ping, XIA Can-Wei, ZHANG Li-Jun et al. (726 ~ 731)
- A Review of Statistical Methods for Evaluating Animal Habitat Selection
 ZHAO Qing-Shan, LOU Ying-Qiang, SUN Yue-Hua (732 ~ 741)
- Notes**
- The Seasonal Dynamic on Waterbird Population at Ruoergai Marshes, China
 ZHANG Guo-Gang, DAI Qiang, LIU Dong-Ping et al. (742 ~ 749)
- On An Update of Recent New Bird Records in China LIU Yang, WEI Qian, DONG Lu et al. (750 ~ 758)
- Family Behavior of Siberian Crane during Winter in Poyang Lake ZHANG Qiong, QIANG Fa-Wen (759 ~ 768)
- Brood Parasitism on White-bellied Redstart by Common Cuckoo
 HU Yun-Biao, JIANG Ying-Xin, CHANG Hai-Zhong et al. (769 ~ 773)
- Short Communications**
- White-capped Bunting *Emberiza stewarti* — A New Record of Bird from China
 TIAN Shao-Xuan, DING Jin-Qing, MA Ming et al. (774 ~ 775)
- New Breeding Distribution of Relict Gulls in Gouchi Wetland, Dingbian, Shaanxi Province
 XIAO Hong, WANG Kai-Feng, FENG Ning et al. (776 ~ 777)
- The Determination of Nine Heavy Metals in Wintering Great Bustard's Feathers
 WU Yi-Qun, LIU Jian-Wen, XU Xiu et al. (778 ~ 780)
- Birds of the Qinggeda Wetland Nature Reserve and Surrounding Areas, Xinjiang MA Ming (781 ~ 787)
- Cover**
- Thalasseus bernsteini* CHEN Shui-Hua, FAN Zhong-Yong (788 ~ 789)
- Review and Progress**
- The Kinship of Birds among Taiwan, Hainan and Mainland of China YEN Chung-Wei (790 ~ 796)
- Species Richness Patterns and Mechanisms along the Elevational Gradients WU Yong-Jie, LEI Fu-Min (797 ~ 807)
- Urbanization Effects on Birds: from Community to Individual ZHANG Qin, LAN Si-Si, HUANG Qin et al. (808 ~ 816)

No. 6

Research Papers

- Definitive Host Fish and Their Geographical Distribution of the Asian Fish Tapeworm, *Bothriocephalus acheilognathi*, in China
 XI Bing-Wen, XIE Jun, WANG Gui-Tang (817 ~ 823)
- Community Structure Characteristics of Plankton in Changtan Reservoir, Guangdong Province
 HU Guo-Cheng, YAO Ling-Ai, ZHANG Li-Juan et al. (824 ~ 833)

- The Mongolian Gerbils Meta-population in Habitat Fragmentation in Alxa Desert: A Field Verification Study
 ZHANG Xiao-Dong, WU Xiao-Dong, FU He-Ping et al. (834 ~ 843)
- Population Size and Winter Habitat Selection of Tianshan Red Deer in Hami Mountains of Xinjiang
 Aysajan TOHTI, Askar MAMAT, Mahmut HALIK et al. (844 ~ 851)
- Techniques and Methods**
- Construction of Investigation Information Management System of *Panthera tigris altaica* in Heilongjiang Province
 MA Tian, FENG Zhong-Ke, ZHENG Jun et al. (852 ~ 858)
- Notes**
- The Response of Soil Meso- and Microfaunal Community to Water-Soil Erosion Controlling Methods in Huangfuchuan
 Watershed, Inner Mongolia HASITAMIER, LUO Rui-Fang, LIU Xin-Min (859 ~ 867)
- Population Genetic Structure of Red Swamp Crayfish in Haihe River Wetlands
 LI Xiao-Hua, LIU Gang, ZHOU Li-Zhi et al. (868 ~ 874)
- Morphological and Histological Characteristics of Digestive System in *Capitulum mitella*
 CHEN Zhao-Na, LIN Gang, CHEN Ning et al. (875 ~ 883)
- Microstructure and Ultrastructure of the Liver Tissue in *Oncorhynchus mykiss* at Different Age
 YUAN Li-Gang, QU Ya-Ling, HUANG Bu-Min et al. (884 ~ 893)
- Cloning and Expression of A Myeloid Differentiation Factor 88 Gene In *Tilapia Oreochromis aureus*
 ZOU Zhi-Ying, WANG Qian, YANG Hong et al. (894 ~ 904)
- Cloning and Expression of Partial cDNA Encoding *GABA_B* Receptor Subunit 1 in *Carassius auratus gibelio*
 WANG Yi, RUAN Ji-Ming, ZHOU Ai-Ling et al. (905 ~ 911)
- Distribution and Morphological Characteristics of 5-Hydroxytryptamine Cells in the Digestive Tract of *Bufo raddei*
 NIU Xin-Xin, XIAN Zhen-Fei, JIN Chen-Chen et al. (912 ~ 918)
- The Amphibian Species Diversity and Zoogeographic Division in Jiangxi Province LI Yan-Kuo, SHAN Ji-Hong, GONG Yu (919 ~ 925)
- Isolation of Microsatellite Markers by Cross-amplification and Genetic Diversity Analysis in *Macroclmys temminckii*
 MIN Jin-Jin, ZHANG Jia-Yong, ZHENG Rong-Quan et al. (926 ~ 932)
- Avifauna and Community Structure in Erenhot, Inner Mongolia PAN Bin, YANG Gui-Sheng, LI Min et al. (933 ~ 941)
- Time Budget and Behavioral Diurnal Rhythms of the Ferruginous Ducks in Autumn
 ZHAO Xu-Mao, MA Ming, ZHANG Tong (942 ~ 946)
- Physiological and Biochemical Blood Indices: A Comparison between *Tetraogallus himalayensis* and Hyline Variety Brown
 Chicken JIANG Ling-Ling, HE Zong-Lin, YAO Gang (947 ~ 952)
- Comparison of Relative Fatness for *Apodemus draco* and *Niviventer confucianus* across Age Classes and Seasons in
 Fengtongzhai Nature Reserve, China MU Hua-Qiang, YUAN Shi-Bin, ZHANG Ze-Jun et al. (953 ~ 957)
- Aquaporin Expression in Pancrease of Yarkand Hares and Domestic Rabbits
 ZHANG Jian-Ping, DENG Fang, SHA Ai-Long et al. (958 ~ 963)
- Single Nucleotide Polymorphism of *H-FABP* Gene and Its Correlation with Meat Quality Traits in Merino Sheep
 LUO Yan, GU Xin-Li, ZHAO Zong-Sheng et al. (964 ~ 970)
- Review and Progress**
- Review on Planarian Reproductive Biology SHI Chang-Ying, ZHANG He-Cai, CHEN Guang-Wen (971 ~ 978)