

# G Shi

## List of Publications by Year in Descending Order

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**Version:** 2024-04-20

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

151  
papers

3,765  
citations

28  
h-index

57  
g-index

172  
ext. papers

4,860  
ext. citations

4.5  
avg, IF

5.08  
L-index

#	Paper	IF	Citations
151	Species-resolved sequencing of low-biomass or degraded microbiomes using 2bRAD-M.. <i>Genome Biology</i> , <b>2022</b> , 23, 36	18.3	2
150	Genomic differentiation and selection signatures of two elite varieties of Yesso scallop <i>Mizuhopecten yessoensis</i> . <i>Aquaculture</i> , <b>2022</b> , 550, 737842	4.4	1
149	Discovery of Nanos1 and Nanos2/3 as Germ Cell Markers During Scallop Gonadal Development.. <i>Marine Biotechnology</i> , <b>2022</b> , 24, 408	3.4	0
148	Decoding the byssus fabrication by spatiotemporal secretome analysis of scallop foot. <i>Computational and Structural Biotechnology Journal</i> , <b>2022</b> , 20, 2713-2722	6.8	0
147	The Effect of Temperature on Gonadal Sex Differentiation of Yesso Scallop .. <i>Frontiers in Cell and Developmental Biology</i> , <b>2021</b> , 9, 803046	5.7	1
146	Characterization of the complete mitochondrial genome of the Chongqing Moustache Toad, (Pope, 1947) with a phylogenetic analysis of Megophryidae. <i>Mitochondrial DNA Part B: Resources</i> , <b>2021</b> , 6, 1061-1063	9.5	1
145	Expression of the Testis-Specific Serine/Threonine Kinases Suggests Their Role in Spermiogenesis of Bay Scallop. <i>Frontiers in Physiology</i> , <b>2021</b> , 12, 657559	4.6	2
144	Sexual Development of the Hermaphroditic Scallop Revealed by Morphological, Endocrine and Molecular Analysis. <i>Frontiers in Cell and Developmental Biology</i> , <b>2021</b> , 9, 646754	5.7	3
143	The first complete mitochondrial DNA of the Chinese short-limbed skink ( Gray, 1845) determined by next-generation sequencing. <i>Mitochondrial DNA Part B: Resources</i> , <b>2021</b> , 6, 995-996	0.5	0
142	Development of fisheries in China. <i>Reproduction and Breeding</i> , <b>2021</b> , 1, 64-79		17
141	An efficient integrated approach for nonlethal DNA sampling and genome-wide genotyping in bivalve molluscs. <i>Aquaculture</i> , <b>2021</b> , 536, 736489	4.4	
140	The complete mitochondrial genome and phylogenetic analysis of the deep-sea limpet. <i>Mitochondrial DNA Part B: Resources</i> , <b>2021</b> , 6, 2090-2091	0.5	0
139	Experimental evidence for long-term coexistence of copiotrophic and oligotrophic bacteria in pelagic surface seawater. <i>Environmental Microbiology</i> , <b>2021</b> , 23, 1162-1173	5.2	2
138	MolluscDB: an integrated functional and evolutionary genomics database for the hyper-diverse animal phylum Mollusca. <i>Nucleic Acids Research</i> , <b>2021</b> , 49, D988-D997	20.1	15
137	Two complete mitochondrial genomes of the black-spotted stout newt () and their relative phylogenetics relationship with other Salamandridae. <i>Mitochondrial DNA Part B: Resources</i> , <b>2021</b> , 6, 106-107	9.5	1
136	High-quality reannotation of the king scallop genome reveals no gene-rich feature and evolution of toxin resistance. <i>Computational and Structural Biotechnology Journal</i> , <b>2021</b> , 19, 4954-4960	6.8	1
135	Simulation Study of a 3D Multi-slit Prompt Gamma Imaging System for Proton Therapy Monitoring. <i>IEEE Transactions on Radiation and Plasma Medical Sciences</i> , <b>2021</b> , 1-1	4.2	0

134	s Gene Expansion in the Scallop and Their Expression Profiles After Exposure to the Toxic Dinoflagellate. <i>Frontiers in Physiology</i> , <b>2021</b> , 12, 633301	4.6	2
133	Genomic Insights into the Origin and Evolution of Molluscan Red-Bloodedness in the Blood Clam <i>Tegillarca granosa</i> . <i>Molecular Biology and Evolution</i> , <b>2021</b> , 38, 2351-2365	8.3	5
132	Complete mitochondrial genome of the Bingzhi stout newt (Chang, 1933) and its phylogenetic placement. <i>Mitochondrial DNA Part B: Resources</i> , <b>2021</b> , 6, 524-525	0.5	
131	Genomic and transcriptomic landscapes and evolutionary dynamics of molluscan glycoside hydrolase families with implications for algae-feeding biology. <i>Computational and Structural Biotechnology Journal</i> , <b>2020</b> , 18, 2744-2756	6.8	0
130	Expression profiling of the Kdm genes in scallop <i>Patinopecten yessoensis</i> suggests involvement of histone demethylation in regulation of early development and gametogenesis. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , <b>2020</b> , 243-244, 110434	2.3	2
129	Genomic basis of environmental adaptation in the leathery sea squirt ( <i>Styela clava</i> ). <i>Molecular Ecology Resources</i> , <b>2020</b> , 20, 1414-1431	8.4	7
128	Evolutionary transcriptomics of metazoan biphasic life cycle supports a single intercalation origin of metazoan larvae. <i>Nature Ecology and Evolution</i> , <b>2020</b> , 4, 725-736	12.3	13
127	High-resolution linkage and quantitative trait locus mapping using an interspecific cross between <i>Argopecten irradians irradians</i> (?) and <i>A. purpuratus</i> (?). <i>Marine Life Science and Technology</i> , <b>2020</b> , 2, 123-134	4.5	2
126	The Chromosome-Level Genome Assembly and Comprehensive Transcriptomes of the Razor Clam ( <i>Saxidomus nutalli</i> ). <i>Frontiers in Genetics</i> , <b>2020</b> , 11, 664	4.5	10
125	The complete mitochondrial genome and phylogenetic analysis of sp. J (Mollusca: Hiatellidae). <i>Mitochondrial DNA Part B: Resources</i> , <b>2020</b> , 5, 2054-2055	0.5	
124	Identification and expression profiles of Fox transcription factors in the Yesso scallop ( <i>Patinopecten yessoensis</i> ). <i>Gene</i> , <b>2020</b> , 733, 144387	3.8	5
123	Potential GnRH and steroidogenesis pathways in the scallop <i>Patinopecten yessoensis</i> . <i>Journal of Steroid Biochemistry and Molecular Biology</i> , <b>2020</b> , 204, 105756	5.1	5
122	The evo-devo of molluscs: Insights from a genomic perspective. <i>Evolution &amp; Development</i> , <b>2020</b> , 22, 409-424	4.2	7
121	The complete mitochondrial genome and phylogenetic analysis of. <i>Mitochondrial DNA Part B: Resources</i> , <b>2019</b> , 4, 2908-2909	0.5	1
120	Dynamics of DNA Methylation and DNMT Expression During Gametogenesis and Early Development of Scallop <i>Patinopecten yessoensis</i> . <i>Marine Biotechnology</i> , <b>2019</b> , 21, 196-205	3.4	18
119	Genome-wide association study reveals E2F3 as the candidate gene for scallop growth. <i>Aquaculture</i> , <b>2019</b> , 511, 734216	4.4	10
118	Identification and characterisation of a novel FT orthologous gene in London plane with a distinct expression response to environmental stimuli compared to PaFT. <i>Plant Biology</i> , <b>2019</b> , 21, 1039-1051	3.7	3
117	Diverse expression regulation of Hsp70 genes in scallops after exposure to toxic <i>Alexandrium</i> dinoflagellates. <i>Chemosphere</i> , <b>2019</b> , 234, 62-69	8.4	11

116	Development of Novel Cardiac Indices and Assessment of Factors Affecting Cardiac Activity in a Bivalve Mollusc. <i>Frontiers in Physiology</i> , <b>2019</b> , 10, 293	4.6	8
115	Systematic identification and validation of the reference genes from 60 RNA-Seq libraries in the scallop <i>Mizuhopecten yessoensis</i> . <i>BMC Genomics</i> , <b>2019</b> , 20, 288	4.5	19
114	A carotenoid oxygenase is responsible for muscle coloration in scallop. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , <b>2019</b> , 1864, 966-975	5	14
113	Sequencing-Based Transcriptome-Wide Targeted Genotyping for Evolutionary and Ecological Studies. <i>Evolutionary Bioinformatics</i> , <b>2019</b> , 15, 1176934319836074	1.9	
112	The complete mitochondrial genome and phylogenetic analysis of the dwarf surf clam. <i>Mitochondrial DNA Part B: Resources</i> , <b>2019</b> , 5, 140-141	0.5	1
111	Integration of Biochemical, Cellular, and Genetic Indicators for Understanding the Aging Process in a Bivalve Mollusk <i>Chlamys farreri</i> . <i>Marine Biotechnology</i> , <b>2019</b> , 21, 718-730	3.4	0
110	Genome-Wide Identification and Characterization of s in Zhikong Scallop Reveals Gene Expansion and Regulation Divergence after Toxic Dinoflagellate Exposure. <i>Marine Drugs</i> , <b>2019</b> , 17,	6	11
109	Genome-wide identification and expression profiling of the Wnt gene family in three bivalve molluscs. <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , <b>2019</b> , 29, 299-307	2	2
108	Trophic Specialization Results in Genomic Reduction in Free-Living Marine Bacteria. <i>MBio</i> , <b>2019</b> , 10,	7.8	5
107	Technical note: an R package for fitting sparse neural networks with application in animal breeding. <i>Journal of Animal Science</i> , <b>2018</b> , 96, 2016-2026	0.7	9
106	Estimating realized heritability for growth in Zhikong scallop ( <i>Chlamys farreri</i> ) using genome-wide complex trait analysis. <i>Aquaculture</i> , <b>2018</b> , 497, 103-108	4.4	10
105	Characterization of an Atypical Metalloproteinase Inhibitors Like Protein (Sbp8-1) From Scallop Byssus. <i>Frontiers in Physiology</i> , <b>2018</b> , 9, 597	4.6	9
104	Identification and Characterization of Neuropeptides by Transcriptome and Proteome Analyses in a Bivalve Mollusc. <i>Frontiers in Genetics</i> , <b>2018</b> , 9, 197	4.5	28
103	A Population Genetic Analysis of Continuously Selected <i>Chlamys farreri</i> Populations. <i>Journal of Ocean University of China</i> , <b>2018</b> , 17, 913-919	1	
102	Characterization of <i>Chiton ischnochiton hakodadensis</i> Foot Based on Transcriptome Sequencing. <i>Journal of Ocean University of China</i> , <b>2018</b> , 17, 632-640	1	3
101	FOXL2 and DMRT1L Are Yin and Yang Genes for Determining Timing of Sex Differentiation in the Bivalve Mollusk. <i>Frontiers in Physiology</i> , <b>2018</b> , 9, 1166	4.6	21
100	Population genetic structure of the deep-sea mussel s ( <i>Bivalvia: Mytilidae</i> ) in the Northwest Pacific. <i>Evolutionary Applications</i> , <b>2018</b> , 11, 1915-1930	4.8	15
99	Predicting Growth Traits with Genomic Selection Methods in Zhikong Scallop ( <i>Chlamys farreri</i> ). <i>Marine Biotechnology</i> , <b>2018</b> , 20, 769-779	3.4	16

98	HD-Marker: a highly multiplexed and flexible approach for targeted genotyping of more than 10,000 genes in a single-tube assay. <i>Genome Research</i> , <b>2018</b> , 28, 1919-1930	9.7	4
97	The discovered chimeric protein plays the cohesive role to maintain scallop byssal root structural integrity. <i>Scientific Reports</i> , <b>2018</b> , 8, 17082	4.9	5
96	Peroxisome Proliferator Activated Receptor Agonists Modulate Transposable Element Expression in Brain and Liver. <i>Frontiers in Molecular Neuroscience</i> , <b>2018</b> , 11, 331	6.1	4
95	The scallop IGF2 mRNA-binding protein gene PyIMP and association of a synonymous mutation with growth traits. <i>Genes and Genetic Systems</i> , <b>2018</b> , 93, 91-100	1.4	6
94	Sea cucumber genome provides insights into saponin biosynthesis and aestivation regulation. <i>Cell Discovery</i> , <b>2018</b> , 4, 29	22.3	38
93	Genome-wide discovery of single nucleotide polymorphisms (SNPs) and single nucleotide variants (SNVs) in deep-sea mussels: Potential use in population genomics and cross-species application. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , <b>2017</b> , 137, 318-326	2.3	23
92	Performance comparison of two efficient genomic selection methods (gsbay & MixP) applied in aquacultural organisms. <i>Journal of Ocean University of China</i> , <b>2017</b> , 16, 137-144	1	
91	Genotyping by Sequencing and Data Analysis: RAD and 2b-RAD Sequencing <b>2017</b> , 338-355		5
90	Whole-Genome Restriction Mapping by "Subhaploid"-Based RAD Sequencing: An Efficient and Flexible Approach for Physical Mapping and Genome Scaffolding. <i>Genetics</i> , <b>2017</b> , 206, 1237-1250	4	0
89	Scallop genome provides insights into evolution of bilaterian karyotype and development. <i>Nature Ecology and Evolution</i> , <b>2017</b> , 1, 120	12.3	202
88	Using a multiscale image processing method to characterize the periodic growth patterns on scallop shells. <i>Ecology and Evolution</i> , <b>2017</b> , 7, 1616-1626	2.8	2
87	Monolithic PET Detector Calibration Using Uncollimated Source and Gamma Interaction Position Distribution Constraint <b>2017</b> ,		1
86	Scallop genome reveals molecular adaptations to semi-sessile life and neurotoxins. <i>Nature Communications</i> , <b>2017</b> , 8, 1721	17.4	97
85	Genome-wide identification and expression profiling of the SOX gene family in a bivalve mollusc <i>Patinopecten yessoensis</i> . <i>Gene</i> , <b>2017</b> , 627, 530-537	3.8	18
84	Characterization of the TRAF3IP1 gene in Yesso scallop ( <i>Patinopecten yessoensis</i> ) and its expression in response to bacterial challenge. <i>Genes and Genetic Systems</i> , <b>2017</b> , 91, 267-276	1.4	3
83	Evaluation of the 2b-RAD method for genomic selection in scallop breeding. <i>Scientific Reports</i> , <b>2016</b> , 6, 19244	4.9	45
82	Hsp70 gene expansions in the scallop <i>Patinopecten yessoensis</i> and their expression regulation after exposure to the toxic dinoflagellate <i>Alexandrium catenella</i> . <i>Fish and Shellfish Immunology</i> , <b>2016</b> , 58, 266-273	4.3	28
81	Genetic diversity and population differentiation of small giant clam in Comoros islands assessed by microsatellite markers. <i>SpringerPlus</i> , <b>2016</b> , 5, 1852		1

80	Cardiac performance: a thermal tolerance indicator in scallops. <i>Marine Biology</i> , <b>2016</b> , 163, 1	2.5	19
79	Genome-wide identification, characterization and expression analyses of two TNFRs in Yesso scallop ( <i>Patinopecten yessoensis</i> ) provide insight into the disparity of responses to bacterial infections and heat stress in bivalves. <i>Fish and Shellfish Immunology</i> , <b>2016</b> , 52, 44-56	4.3	19
78	Association of myostatin variants with growth traits of Zhikong scallop ( <i>Chlamys farreri</i> ). <i>Journal of Ocean University of China</i> , <b>2016</b> , 15, 145-151	1	3
77	Fast temperature estimation from undersampled k-space with fully-sampled center for MR guided microwave ablation. <i>Magnetic Resonance Imaging</i> , <b>2016</b> , 34, 1171-80	3.3	4
76	Long Non-Coding RNAs (lncRNAs) of Sea Cucumber: Large-Scale Prediction, Expression Profiling, Non-Coding Network Construction, and lncRNA-microRNA-Gene Interaction Analysis of lncRNAs in <i>Apostichopus japonicus</i> and <i>Holothuria glaberrima</i> During LPS Challenge and Radial Organ Complex Regeneration. <i>Marine Biotechnology</i> , <b>2016</b> , 18, 485-99	3.4	18
75	Proteomic analysis of scallop hepatopancreatic extract provides insights into marine polysaccharide digestion. <i>Scientific Reports</i> , <b>2016</b> , 6, 34866	4.9	10
74	Transcriptome Sequencing and Comparative Analysis of Ovary and Testis Identifies Potential Key Sex-Related Genes and Pathways in Scallop <i>Patinopecten yessoensis</i> . <i>Marine Biotechnology</i> , <b>2016</b> , 18, 453-65	3.4	35
73	Radiation-induced CT number changes in GTV and parotid glands during the course of radiation therapy for nasopharyngeal cancer. <i>British Journal of Radiology</i> , <b>2016</b> , 89, 20140819	3.4	6
72	Characterization of three mitogen-activated protein kinases (MAPK) genes reveals involvement of ERK and JNK, not p38 in defense against bacterial infection in Yesso scallop <i>Patinopecten yessoensis</i> . <i>Fish and Shellfish Immunology</i> , <b>2016</b> , 54, 507-15	4.3	26
71	The copper-catalyzed cross-coupling reactions of aryl diazonium salts and isocyanides. <i>Russian Journal of General Chemistry</i> , <b>2016</b> , 86, 668-671	0.7	5
70	Serial sequencing of isologous RAD tags for cost-efficient genome-wide profiling of genetic and epigenetic variations. <i>Nature Protocols</i> , <b>2016</b> , 11, 2189-2200	18.8	33
69	Genome-wide identification and characterization of five MyD88 duplication genes in Yesso scallop ( <i>Patinopecten yessoensis</i> ) and expression changes in response to bacterial challenge. <i>Fish and Shellfish Immunology</i> , <b>2015</b> , 46, 181-91	4.3	33
68	Micro spatial analysis of seashell surface using laser-induced breakdown spectroscopy and Raman spectroscopy. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , <b>2015</b> , 110, 63-69	3.1	19
67	High-density linkage mapping aided by transcriptomics documents ZW sex determination system in the Chinese mitten crab <i>Eriocheir sinensis</i> . <i>Heredity</i> , <b>2015</b> , 115, 206-15	3.6	71
66	An SCD gene from the Mollusca and its upregulation in carotenoid-enriched scallops. <i>Gene</i> , <b>2015</b> , 564, 101-8	3.8	15
65	The genome-wide identification of mitogen-activated protein kinase kinase (MKK) genes in Yesso scallop <i>Patinopecten yessoensis</i> and their expression responses to bacteria challenges. <i>Fish and Shellfish Immunology</i> , <b>2015</b> , 45, 901-11	4.3	24
64	Genome-wide identification and characterization of TRAF genes in the Yesso scallop ( <i>Patinopecten yessoensis</i> ) and their distinct expression patterns in response to bacterial challenge. <i>Fish and Shellfish Immunology</i> , <b>2015</b> , 47, 545-55	4.3	23
63	Integration of Transcriptomic and Proteomic Approaches Provides a Core Set of Genes for Understanding of Scallop Attachment. <i>Marine Biotechnology</i> , <b>2015</b> , 17, 523-32	3.4	27

62	Construction of a High-Density Genetic Map and Quantitative Trait Locus Mapping in the Sea Cucumber <i>Apostichopus japonicus</i> . <i>Scientific Reports</i> , <b>2015</b> , 5, 14852	4.9	35
61	Identification, characterization and expression profiling of the Tollip gene in Yesso scallop ( <i>Patinopecten yessoensis</i> ). <i>Genes and Genetic Systems</i> , <b>2015</b> , 90, 99-108	1.4	16
60	Genomic in situ hybridization identifies parental chromosomes in hybrid scallop ( <i>Bivalvia</i> , <i>Pectinoidea</i> , <i>Pectinidae</i> ) between female <i>Chlamys farreri</i> and male <i>Argopecten irradians irradians</i> . <i>Comparative Cytogenetics</i> , <b>2015</b> , 9, 189-200	1	3
59	MethylRAD: a simple and scalable method for genome-wide DNA methylation profiling using methylation-dependent restriction enzymes. <i>Open Biology</i> , <b>2015</b> , 5,	7	65
58	Accelerated model-based proton resonance frequency shift temperature mapping using echo-based GRAPPA reconstruction. <i>Magnetic Resonance Imaging</i> , <b>2015</b> , 33, 240-5	3.3	2
57	The Rho GTPase Family Genes in <i>Bivalvia</i> Genomes: Sequence, Evolution and Expression Analysis. <i>PLoS ONE</i> , <b>2015</b> , 10, e0143932	3.7	4
56	High-resolution linkage and quantitative trait locus mapping aided by genome survey sequencing: building up an integrative genomic framework for a bivalve mollusc. <i>DNA Research</i> , <b>2014</b> , 21, 85-101	4.5	113
55	Large-scale development of gene-associated single-nucleotide polymorphism markers for molluscan population genomic, comparative genomic, and genome-wide association studies. <i>DNA Research</i> , <b>2014</b> , 21, 183-93	4.5	11
54	SiPM based PET detector modules with air-gapped pixelated LYSO <b>2014</b> ,		1
53	Feasibility studies of a high sensitivity, stationary dedicated cardiac SPECT with multi-pinhole collimators on a clinical dual-head scanner <b>2014</b> ,		1
52	A scallop IGF binding protein gene: molecular characterization and association of variants with growth traits. <i>PLoS ONE</i> , <b>2014</b> , 9, e89039	3.7	26
51	An integrated genetic and cytogenetic map for Zhikong scallop, <i>Chlamys farreri</i> , based on microsatellite markers. <i>PLoS ONE</i> , <b>2014</b> , 9, e92567	3.7	9
50	High-density single nucleotide polymorphisms linkage and quantitative trait locus mapping of the pearl oyster, <i>Pinctada fucata martensii</i> Dunker. <i>Aquaculture</i> , <b>2014</b> , 434, 376-384	4.4	37
49	Sequencing-based gene network analysis provides a core set of gene resource for understanding thermal adaptation in Zhikong scallop <i>Chlamys farreri</i> . <i>Molecular Ecology Resources</i> , <b>2014</b> , 14, 184-98	8.4	34
48	Identification of two secreted ferritin subunits involved in immune defense of Yesso scallop <i>Patinopecten yessoensis</i> . <i>Fish and Shellfish Immunology</i> , <b>2014</b> , 37, 53-9	4.3	31
47	Genome-wide analysis of DNA methylation in five tissues of Zhikong scallop, <i>Chlamys farreri</i> . <i>PLoS ONE</i> , <b>2014</b> , 9, e86232	3.7	27
46	Development of 101 novel EST-derived single nucleotide polymorphism markers for Zhikong scallop ( <i>Chlamys farreri</i> ). <i>Journal of Ocean University of China</i> , <b>2013</b> , 12, 403-412	1	5
45	A genetic linkage map of the sea cucumber ( <i>Apostichopus japonicus</i> ) based on microsatellites and SNPs. <i>Aquaculture</i> , <b>2013</b> , 404-405, 1-7	4.4	12

44	Molecular cloning and characterization of SoxB2 gene from Zhikong scallop <i>Chlamys farreri</i> . <i>Chinese Journal of Oceanology and Limnology</i> , <b>2013</b> , 31, 1216-1225		7
43	Identification and characterization of four ferritin subunits involved in immune defense of the Yesso scallop ( <i>Patinopecten yessoensis</i> ). <i>Fish and Shellfish Immunology</i> , <b>2013</b> , 34, 1178-87	4-3	41
42	Identification of Cytochrome P450 (CYP) genes in Zhikong scallop ( <i>Chlamys farreri</i> ). <i>Journal of Ocean University of China</i> , <b>2013</b> , 12, 97-102	1	15
41	Development of an in situ loop-mediated isothermal amplification technique for chromosomal localization of DNA sequences. <i>Chinese Journal of Oceanology and Limnology</i> , <b>2013</b> , 31, 128-133		1
40	A neighborhood standard deviation based algorithm for generating PET crystal position maps <b>2013</b>		4
39	Transcriptome sequencing of Zhikong scallop ( <i>Chlamys farreri</i> ) and comparative transcriptomic analysis with Yesso scallop ( <i>Patinopecten yessoensis</i> ). <i>PLoS ONE</i> , <b>2013</b> , 8, e63927	3-7	39
38	RADtyping: an integrated package for accurate de novo codominant and dominant RAD genotyping in mapping populations. <i>PLoS ONE</i> , <b>2013</b> , 8, e79960	3-7	72
37	Development of a rapid and efficient method for non-lethal DNA sampling and genotyping in scallops. <i>PLoS ONE</i> , <b>2013</b> , 8, e68096	3-7	4
36	Identification of reference genes for qRT-PCR analysis in Yesso scallop <i>Patinopecten yessoensis</i> . <i>PLoS ONE</i> , <b>2013</b> , 8, e75609	3-7	36
35	Growth and Reproductive Performance of Triploid Yesso Scallops ( <i>Patinopecten yessoensis</i> ) Induced by Hypotonic Shock. <i>Journal of Shellfish Research</i> , <b>2012</b> , 31, 1113-1122	1	16
34	Reference-free SNP calling: improved accuracy by preventing incorrect calls from repetitive genomic regions. <i>Biology Direct</i> , <b>2012</b> , 7, 17	7-2	24
33	Network analysis of oyster transcriptome revealed a cascade of cellular responses during recovery after heat shock. <i>PLoS ONE</i> , <b>2012</b> , 7, e35484	3-7	20
32	Measure PET detector performance with the intrinsic radioactivity of scintillator <b>2012</b> ,		3
31	Gene coexpression networks in human brain identify epigenetic modifications in alcohol dependence. <i>Journal of Neuroscience</i> , <b>2012</b> , 32, 1884-97	6.6	294
30	Molecular characterization of TGF- $\beta$ type I receptor gene ( <i>Tgfbr1</i> ) in <i>Chlamys farreri</i> , and the association of allelic variants with growth traits. <i>PLoS ONE</i> , <b>2012</b> , 7, e51005	3-7	24
29	2b-RAD: a simple and flexible method for genome-wide genotyping. <i>Nature Methods</i> , <b>2012</b> , 9, 808-10	21.6	391
28	Characterization of 38 EST-derived SNP markers in Zhikong scallop ( <i>Chlamys farreri</i> ) and their cross-species utility in Yesso scallop ( <i>Patinopecten yessoensis</i> ). <i>Conservation Genetics Resources</i> , <b>2012</b> , 4, 747-753	0.8	10
27	Development of 101 gene-based single nucleotide polymorphism markers in sea cucumber, <i>Apostichopus japonicus</i> . <i>International Journal of Molecular Sciences</i> , <b>2012</b> , 13, 7080-97	6.3	5



26	Transcriptome sequencing and characterization for the sea cucumber <i>Apostichopus japonicus</i> (Selenka, 1867). <i>PLoS ONE</i> , <b>2012</b> , 7, e33311	3.7	120
25	Feasibility studies of simultaneous PET and SPECT dual-tracer imaging with a stationary multi-pinhole collimator inserted to animal PET detector <b>2012</b> ,		4
24	Transcriptome sequencing and de novo analysis for Yesso scallop ( <i>Patinopecten yessoensis</i> ) using 454 GS FLX. <i>PLoS ONE</i> , <b>2011</b> , 6, e21560	3.7	186
23	Design and sampling completeness evaluation of scanning orbits in multi-pinhole small animal SPECT imaging <b>2011</b> ,		3
22	A modified spatial resolution formula for DOI-PET <b>2011</b> ,		2
21	Feasibility studies of animal SPECT imaging with a stationary multi-pinhole collimator inserted to animal PET detector ring <b>2011</b> ,		1
20	Molecular characterization of Myostatin gene from Zhikong scallop <i>Chlamys farreri</i> (Jones et Preston 1904). <i>Genes and Genetic Systems</i> , <b>2010</b> , 85, 207-18	1.4	26
19	Molecular and cellular evidence for biased mitotic gene conversion in hybrid scallop. <i>BMC Evolutionary Biology</i> , <b>2010</b> , 10, 6	3	10
18	Design and feasibility studies of a high-resolution and low-cost small animal SPECT system <b>2009</b> ,		1
17	Sequencing and de novo analysis of a coral larval transcriptome using 454 GSFLX. <i>BMC Genomics</i> , <b>2009</b> , 10, 219	4.5	378
16	Fine-scale population genetic structure of Zhikong scallop ( <i>Chlamys farreri</i> ): do local marine currents drive geographical differentiation?. <i>Marine Biotechnology</i> , <b>2009</b> , 11, 223-35	3.4	80
15	Characterization of 95 novel microsatellite markers for Zhikong scallop <i>Chlamys farreri</i> using FIASCO-colony hybridization and EST database mining. <i>Fisheries Science</i> , <b>2008</b> , 74, 516-526	1.9	12
14	Analysis of the internal transcribed spacer 2 (ITS2) region of scuticociliates and related taxa (Ciliophora, Oligohymenophorea) to infer their evolution and phylogeny. <i>Protist</i> , <b>2008</b> , 159, 519-33	2.5	58
13	Accurate methods of DNA extraction and PCR-based genotyping for single scallop embryos/larvae long preserved in ethanol. <i>Molecular Ecology Resources</i> , <b>2008</b> , 8, 790-5	8.4	15
12	Initial analysis of tandemly repetitive sequences in the genome of Zhikong scallop ( <i>Chlamys farreri</i> Jones et Preston). <i>DNA Sequence</i> , <b>2008</b> , 19, 195-205		10
11	Two novel elements (CFG1 and PYG1) of Mag lineage of Ty3/Gypsy retrotransposons from Zhikong scallop ( <i>Chlamys farreri</i> ) and Japanese scallop ( <i>Patinopecten yessoensis</i> ). <i>Genetica</i> , <b>2008</b> , 133, 37-46	1.5	14
10	FISH mapping and identification of Zhikong scallop ( <i>Chlamys farreri</i> ) chromosomes. <i>Marine Biotechnology</i> , <b>2008</b> , 10, 151-7	3.4	22
9	Solving the SAT problem using a DNA computing algorithm based on ligase chain reaction. <i>BioSystems</i> , <b>2008</b> , 91, 117-25	1.9	23

8	Patterns of concerted evolution of the rDNA family in a natural population of Zhikong scallop, <i>Chlamys farreri</i> . <i>Journal of Molecular Evolution</i> , <b>2007</b> , 65, 660-7	3.1	4
7	Chromosome rearrangements in Pectinidae (Bivalvia: Pteriomorpha) implied based on chromosomal localization of histone H3 gene in four scallops. <i>Genetica</i> , <b>2007</b> , 130, 193-8	1.5	33
6	Analysis of the secondary structure of ITS1 in Pectinidae: implications for phylogenetic reconstruction and structural evolution. <i>Marine Biotechnology</i> , <b>2007</b> , 9, 231-42	3.4	18
5	Fosmid library construction and initial analysis of end sequences in Zhikong scallop ( <i>Chlamys farreri</i> ). <i>Marine Biotechnology</i> , <b>2007</b> , 9, 606-12	3.4	39
4	Mapping of ribosomal DNA and (TTAGGG) <sub>n</sub> telomeric sequence by FISH in the bivalve <i>Patinopecten yessoensis</i> (Jay, 1857). <i>Journal of Molluscan Studies</i> , <b>2007</b> , 73, 393-398	1.1	14
3	Cytogenetic characterization of the bay scallop, <i>Argopecten irradians irradians</i> , by multiple staining techniques and fluorescence in situ hybridization. <i>Genes and Genetic Systems</i> , <b>2007</b> , 82, 257-63	1.4	21
2	A new strategy for species identification of planktonic larvae: PCR-BFLP analysis of the internal transcribed spacer region of ribosomal DNA detected by agarose gel electrophoresis or DHPLC. <i>Journal of Plankton Research</i> , <b>2006</b> , 28, 375-384	2.2	24
1	AFLP linkage map of sea urchin constructed using an interspecific cross between <i>Strongylocentrotus nudus</i> (?) and <i>S. intermedius</i> (?). <i>Aquaculture</i> , <b>2006</b> , 259, 56-65	4.4	13