!! ⌀	2009
⌀	2013

国家级实验教学示范中心年度报告

Ŕ 2019 1 1 ð ð 2019 12 31 Є

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س ̣ / E ˡ /0538-8242378

2020 2 10

第一部分　年度报告编写提纲（限 5000 字以内）

ϰ ' ʒ ⁻ Ь⁻ Ч Ţ G 2009 1 à

‰ Ч ﻩ Ţ ч β˘ 2013 Â

一、人才培养工作和成效

Ґ' Є˛ ŭ " ſ

ė Ч№ ⁻ Ь⁻ Ч Ţ ė ŭ ˘ 2019

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二、人才队伍建设

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三、教学改革与科学研究

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五、示范中心大事记

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ˆ 1˜ 2019 10 ˘ Ѡ ҡ ' ҙ ҩ ˘ ’

ˆ 2˜ 2019 12 ˘ Ѡ ҡ ' ҙ ѿ ˘ ꙋ ’

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ˆ 6˜ 2019 12 ˘ ᾰ̃ ѵ Ѓ ŋ ﻳﺠ

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ˆ 7˜ 2019 11 ˘ ᾰ̃ ѵ ҡ 2 ̂ ̂ ̂

六、示范中心存在的主要问题

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七、所在学校与学校上级主管部门的支持

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八、下一年发展思路

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注意事项及说明：

1. Χ ̀Y ғ u Χ Ï Ï ˝Ω̣ ə̣ ɻ

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2. Χ ב Χ ˛ u Ґ U يم ˛ u ɻ ū ˛ u

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3. Ɥ ˜ Ï Ғ Ł Ï Ȁ ĩ

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4. Χ ɟ ɒ ụ̏ Ï ɾ

第二部分 示范中心数据

Ѓ ę 2019 1 1 12 31 Є

一、示范中心基本情况

示范中心名称	动物科学与动物医学实验教学示范中心				
所在学校名称	山东农业大学				
主管部门名称	山东省教育厅				
示范中心门户网址	http://dkdy.sdau.edu.cn/dwkx/				
示范中心详细地址	山东省泰安市泮河大街 7 号		邮政编码	271000	
固定资产情况					
建筑面积	3258 B	设备总值	1613.5 Ѣ ѿ	设备台数	2855ˇ
经费投入情况					
主管部门年度经费投入 Ѓ Ғ Є	Ѣ ѿ	所在学校年度经费投入	155 Ѣ ѿ		

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二、人才队伍基本情况

（一）本年度固定人员情况

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3					ї ɼ		√	
4					ї ɼ		√	
5					ї ɼ		√	√
6					ї ɼ		√	√
7					ї ɼ		√	√

8	↔				ז ז		√	√
9	ضي				ז ז		√	√
10	₵				ז ז		√	√
11					ז ז		√	√
12					ז ז		√	√
13			1963		ז ז		√	√
14	Ѡ				ז ז		√	√
15	╠				ז ז		√	√
16	Ţ √				ז ז		√	√
17					ז ז		√	√
18	Ḡ √				ז ז		√	√
19	˙				ז ז		√	√
20					ז ז		√	√
21	’ ˙				ז ז		√	√
22					ז ז		√	√
23					ז ז		√	√
24					ז ז		√	
25	ѿ				ז ז		√	
26					ז ז		√	
27					ז ז		√	√
28					ז ז		√	√
29	Ƃ				ז ז		√	√
30	Ⱡ				ז ז		√	
31	↔				ז ז		√	√
32	↨				ז ז		√	√
33	Ӈ				ז ז		√	√
34	θ				ז ז		√	√
35	Ѿ				ז ז		√	√
36	≠ ڍ				ז ז		√	√
37					ז ז		√	√
38					ז ז		√	√
39	ѿ				ז ז		√	√
40				◖	ז ז		√	
41			1965	◖	ז ז			
42				◖	ז ז			
43	≠			◖	ז ז		√	
44	Ѡ			◖	ז ז		√	
45				◖	ז ז		√	
46	Ҁ			◖	ז ז		√	

47	´			◖	ٲ ז		√	
48	ɘ			◖	ٲ ז		√	
49	æ l			◖	ٲ ז		√	
50	ʃ ´			◖	ٲ ז			
51	ɴ			◖	ٲ ז		√	
52	ɣ			◖	ٲ ז		√	
53				◖	ٲ ז		√	
54	ŋ			◖	ٲ ז		√	
55				◖	ٲ ז		√	
56	ɘ			◖	ٲ ז		√	
57				◖	ٲ ז		√	
58				◖	ٲ ז		√	
59				◖	ٲ ז		√	
60				◖	ٲ ז		√	
61				◖	ٲ ז		√	
62	ʒ̤			◖	ٲ ז		√	
63				◖	ٲ ז		√	
64	´			◖	ٲ ז		√	
65	θ ɴ			◖	ٲ ז			
66	˝			◖	ٲ ז		√	
67			1980	◖	ٲ ז		√	
68				◖	ٲ ז		√	
69				◖	ٲ ז		√	
70				◖	ٲ ז		√	
71				◖	ٲ ז		√	
72				◖	ٲ ז		√	
73	ɴ			◖	ٲ ז		√	
74	ɘ			◖	ٲ ז		√	
75				◖	ٲ ז		√	
76	ɯ̇			◖	ٲ ז		√	
77				◖	ٲ ז		√	
78	˗			◖	ٲ ז		√	
79				◖	ٲ ז		√	
80				◖	ٲ ז		√	
81	ʙ			◖	ٲ ז		√	
82				◖	ٲ ז		√	
83				◖	ٲ ז		√	
84				◖	ٲ ז		√	
85	₣			◖	ٲ ז		√	

86				◖	ז ז̀		√	
87				◖	ז ז̀		√	
88				◖	ז ז̀			
89	↔			Ţ	ז ז̀			
90	↔			Ţ	ז ז̀		√	
91	Ɛ			Ţ	ז ז̀		√	
92	θ			Ţ	ז ז̀			
93				Ţ	ז ז̀			
94	ɢ Ḥ			Ţ	ז ז̀		√	
95	ḍ			Ţ	ז ז̀			
96				Ţ	ז ז̀		√	
97	↔ ʒ̤			Ţ	ז ז̀		√	
98				Ţ	ז ז̀		√	
99	↔			Ţ	ז ז̀		√	
100				Ţ	ז ז̀		√	
101				Ţ	ז ז̀		√	
102				Ţ	ז ז̀			
103	↔			Ţ	ז ז̀		√	
104				Ţ	ז ז̀		√	
105				Ţ	ז ז̀		√	
106				Ţ	ז ז̀		√	
107	ʎ			Ţ	ז ז̀		√	
108				Ţ	ז ז̀		√	
109	w̄			Ţ	ז ז̀		√	
110				Ţ	ז ז̀		√	
111				Ţ	ז ז̀		√	
112	l			Ţ	ז ז̀		√	
113				Ţ	ז ז̀		√	
114	ʕ			Ţ	ז ז̀		√	
115	ˇ ʍ			Ţ	ז ז̀		√	
116	ɡ ɳ			Ţ	ז ז̀			
117				Ţ	ז ז̀			
118				Ţ	ז ז̀			
119				◖	ז ז̀		√	
120				◖	ז ז̀		ז̀	
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129				Ţ	˙ ɾ			
130				Ţ	˙ ɾ			
131	Ḥ			Ţ	˙ ɾ		∖	
132				Ţ	˙ ɾ			
133	ԟ			Ţ	˙ ɾ			
134				Ţ	˙ ɾ		˙	
135				Ţ	˙ ɾ		˙	
136				Δ	˙ ɾ			
137	ĸ			◖	˙ ɾ			
138	̈Ḥ			Ţ	˙ ɾ			
139				Ţ	˙ ɾ		˙	
140				Ţ	˙ ɾ		˙	
141	ۅ			˙	˙ ɾ			
142				˙	˙ ɾ			
143	↔ ۓ			˙	˙ ɾ			
144				˙	˙ ɾ		˙	
145	´			˙	˙ ɾ		˙	
146				Ţ	˙ ɾ		˙	
147				Ţ	˙ ɾ		∖	

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ˈ II ɾ ö ҷ ‼ ɾ 5Ꮯ E ᑎ ɻ ∖ ɻ ⇂ ɻ
Ï ɾ

（二）本年度兼职人员情况

序号	姓名	性别	出生年份	职称	职务	工作性质	学位	备注
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˙ l ϟ Ï ˈ II ɾ ö ҷ ‼ ɾ 4Ꮯ E ᑎ ɻ ∖ ɻ ⇂

ɻ Ï ɾ

（三）本年度流动人员情况

序号	姓名	性别	出生年份	职称	国别	工作单位	类型	工作期限
1	Ь		1990	Ϫ	Ϫ ؈		ˋ ו ל	
2	↔		1988	Ϫ	Ϫ ؈		ˋ ו ל	
ň								

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U ɾ ˛ u ɾ Ɛ 2 Ϲ ɾ E س Ϫ ɾ ו ɾ

（四）本年度教学指导委员会人员情况

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1	Ր		1965		h ĸ 2	Ţ	ו ˛ ʒ	Ғ	1
2	e		1962		2	Ţ	˛ ʒ ث	Ғ	1
3			1963		2	Ţ	Ţ Ғ ЛJ Ғ ˋ Ẽ	o ʒ Ғ	1
4	ו		1972		2	Ţ	˛ ʒ	Ғ	1
5			1972	↑	2	Ţ	Ƙ ≠ M ˋ Ẽ	o ʒ Ғ	1
6	Ր		1975	2	2	Ţ	Ƙ ˛	Ғ	1
7	ǐ Ω		1971		2	Ţ	Ƙ ˛ ʒ	ṗ Ғ	1
8			1969		2	Ţ	Ƙ ˛ ʒ	ṗ Ғ	1
9			1976	◖	2	Ţ	Ƙ ˛ ʒ ˩	ṗ Ғ	1

Ƃ Ɛ 1 Ϲ u D ﷺ ˜ ˋ Y ʒ ɻ ʒ ɻ ∪ ƙ ʒ م ʒ
ɾ Ɛ 2 Ϲ ˚ E ˜ ו o u م u ѡ ɾ Ɛ 3 Ϲ ǐ D E ˋ Y ǐ ˇ
u D D ɾ

三、人才培养情况

（一）示范中心实验教学面向所在学校专业及学生情况

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	Ғ ʒ O			
1	˛ ˅	2015,2016,2017,2018,2019	935	80841
2	˛	2016,2017,2018,2019	362	26512
3		2017,2018	257	4435
4	˛ ˆ ˛ h˜	2016,2017,2018,2019	201	16652
5	˛ ˅ 3+2	2018,2019	206	5467
6	L ˆ ´I ˜	2016,2017,2018,2019	153	15302
7	˚˚ Ī	2016,2017,2018,2019	128	11035
8		2018	128	1132
9		2018	53	455

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（二）实验教学资源情况

实验项目资源总数	739 个
年度开设实验项目数	341 个
年度独立设课的实验课程	53 门
实验教材总数	11 种
年度新增实验教材	0 种

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ŭ Ɣ ɟ ɾ

（三）学生获奖情况

学生获奖人数	17 人
学生发表论文数	2 篇
学生获得专利数	0 项

Ⱶ 1Є E Ⱪ ₔ u Ї ĩ
`H ₔ ” II ₱ ɾ 2Є ỉ E ѕ ₴ ₱ ỉ Ї
ɾ ҿ Ⱪ ₔ u ɾ 3Є Ʒ ⌐ E ҿ !! Ʒ ⌐ Ї Ⱪ ₔ
. u ҿ Ʒ ⌐ ĺ n . ɾ

四、教学改革与科学研究情况

（一）承担教学改革任务及经费

序号	项目/课题名称	文号	负责人	参加人员	起止时间	经费（万元）	类别
1							
2							
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E II ₱ / ɾ 1Є / o E
Ґ ` ' o ɾ 2Є ` E Ґ
Ł ` ɾ 3Є . E Ⱪ . u Ґ U ₔ . u ɻ ū . u ₥ ‾
. u Єɾ 4Є ỉ ˇ . u E ỉ ˇ . u Ї `I Ⱪ ɻ \ u o u * Ї
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⌡ E ɟ ҿ a ɻ b ɷ Ї a II Ⱪ . u ҿ ' . Ж b
Ⱪ ヽ n `I Ɔ ヽ ɾ ɾ

（二）承担科研任务及经费

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1	‴ Ь	₹ Ů ⅞ 2018YFD0501506	₲u		201806 202012	133	a
2	ت Ь I ‟ Ь ヽ L	₹ Ů ⅞ 2018YFD0500106	₲u		201806 202012	40	a
3	ỉ ⅓ ˗ Ь Ů	₹ Ů ⅞ 2017YFD0500502			201710 202010	31	a
4	ALV ɾ REV‟ Ⱶ ѽ L №	₹ Ů ⅞ 2018YFD0500106			201806 202012	40	a
5	Ⱪ ض ヽ ɳ Ī Ь	₹ Ů ⅞ 2018YFD0501906			201806 202012	215	a
6	Ь	₹ Ů ⅞ 2017YFD0501904	Ⱬ		201707 2020.12	50	a
7	Ь ض ヽ à Ь à Ь ﻡ Ī o ʒ D ɾ D .	₹ Ů ⅞ 2018YD0500			201806 202012	37	a
8	Ī Ь	₹ Ů ⅞ 2018YFD0501600 5	₩		201806 202012	30	a
9	ﻡ 1+3 ﻡ Ⱨ ᴇ L	₹ Ů ⅞	Ƃ		201707 202012	47.8	a

		2017YFD0500803					
10	ľ Ĺ	يج ŭ ⅞ 2016YFD0501000	Ӈ		201605- 202012	30	a
11	ã Ī	يج ŭ ⅞ 2018YFD0502104	يج		201806- 202012	16	a
12	ᵒᵒ U Δ كى L	يج 31772624	ᴗ		201801- 202112	61	a
13	ᴗ ACTH	يج 31702114			201801- 202012	24	a
14	TFEB ƀ p38 à MAPK Crosstalk L ỹ كى L	يج 31802259	↔		201901- 202112	25	a
15	Parkin ضي Cr̂ VI˜ r كى Ţ ĭ L	يج 31872535	↔		201901- 202212	59	a
16	ƀ ت Ꝑ ᵕ ʼP IL-4 № L	يج 31672587	´		201701- 202012	63	a
17	miRNAs: Wnt/á-catenin Ḥ ᵕ ᴗ ŭ № L	يج 31872344	ʊ		201901- 202212	59	a
18	r : ᵕ ĭ r ɰ № L	يج 31872500	ʊ		201901- 202212	60	a
19	ỹ ĭ ⅓ ᵕ Ḥ كح AA ᵕ ƀ L	يج 31772623	Ţ ᴗ		201801- 202112	60	a
20	r ᵕ Ʒ ضي ᵕ كى Ţ ƀ	يج 31873030			201901- 202212	59	a
21	ˋ № L	يج 31772754	Ƃ		201801- 202112	59	a
22	miR-30 غ miR-1416/148 U SOCS3 L	يج 31872343			201901- 202212	59	a
23	≠ r ʒ ᵒᵒ w غ غج	يج 31872327	ᴗ		201901- 202212	59	a
24	يج ضر ج ᵕ̈ Ḡ ĭ ˜ غج ƀ w	يج 31702258			201801- 202012	25	a
25	Ţ ŋ ج ŋ' ã ŭ Ţ L	يج 31761133002			201801- 202012	140	a
26	r ṗ غج	يج SKLVBF20185			201801- 201912	12	a
27	ľ H9N2 D ĭ ì QRJ ƀ CB Ĺ	´ U ᴗ BWS17J034	□		201607- 202112	200	a
28	يج ᵒᵒ ʒ r	ʼ ʒ	Ţ ᴗ		201709- 202009	280	a
29	يج ᵕ ˜Ω ᵒᵒ ʒ r	ʼ ʒ CARS43-B-1			201801- 201812	70	a
30	شي ᵕ D	ʼ ʒ Ƒ			201601- 202012	10	a
31	يج ᵕ ʼ ʒ r Ī β Ƒ	ʼ ʒ ʼ CARS44	Ḡ ᴗ		201801- 201812	70	a
32	ľ Ĺ Ƒ	ʼ ʒ ʼ	يج		201801-	45	a

	ضي ã̃ Ī Ţ	ZX20180608			202012		
33		ĸ ' ̀Ẽ̃	ʊ̃u		201801-202012	40	a
34	⁘ ƀ ⌈ .	ĸ ' ̀Ẽ̃			201811-201910	10	a
35	ĸ ⌟ ⇔ فج β Ғ	ĸ ⁄ SDAIŦ21-07	ɦ		201605-202012	125	a
36	⌈ .	ĸ ́I ⅵ			201808-201912	30	a
37	п ǥ ĭ ᵃᵃ ʒ̣	ĸ ʊ̈	ʊ̃u		201807-201912	150	a
38	ⅵ FucP T3SS ɦ L	ĸ Ī KF201803			201810-202009	4	a
39	ĭ ɯ̄	ĸ ⁄	Ţ ⅵ		201806-201906	60	a
40	Ғ	ĸ ⁄	Ţ ⅵ		201801-202212	200	a
41	. ƀ ᵃᵃ ʒ̣ ʊ̈	ĸ ⁄ LZN010			201712-202012	50	a
42	ʳ ˆ PepT1 ضي ̃Ω̣ ᵽ Ţ ƀ	ĸ ⁄ ZR2018QC004	↔		201803-202112	16	a
43	Wnt Ḥ ̃ Ḇ ̃Ω̣ ثم ʊ̈ ƀ	ĸ ⁄ ZR2018MC025			201803-202106	14	a
44	ʊ̈ № ĭ ƀ ´ ≠	ĸ ⁄ 2017LZN007			201712-202012	70	a
45	Ī ĭ ᵃᵃ ̃						

59	Ķ Ꮆ ˈ ʒ ʒ r ⇔ ᴢᴪ Ғ	Ķ ˈ ʒ ⅄ SDAIҒ10-01			201801- 201912	45	a
60	ã Ī ĭ ƈ ᒪ ˜ Ь	Ķ ˈ ʒ ⇔ 040-39794	↔		201801- 201912	40	a
61	№ ᒪ	Ķ n ZR20180706008	ʠu		201901- 202112	30	a
62	Ķ ʒ ⇔ ᴢᴪ	Ķ Ꮆ ˈ ʒ ʒ r SDAIҒ09-06			201605- 202005	125	a
63	ʒ ⇔ ᴢᴪ	Ķ Ꮆ ˈ ʒ ʒ r SDAIҒ24-02			201601- 202012	25	a
64	Ķ Ꮆ ˈ ʒ ʒ r ⇔ ᴢᴪ	Ķ Ꮆ ˈ ʒ ʒ r 040-39745			201806- 201905	15	a
65	≠ PCR	Ķ			201801- 201912	0.9	a
66	IBR Ь BVD ĭ ᒣ ᒪ	Ķ ʊ ⅞ 040-310299	↔		201801- 201912	20	a
67	Ī ⁞ ᒪ Ь	Ķ ʊ 2018GNC11100			201801- 201912	20	a
68	ɢ ATF6 : Cr(VI) DF1 ›` ᒪ	Ķ ZR20170925035	↔		201803- 202106	17	a
69	H9N2 ˇ ᵴᵴ Ь ᒣ .	Ķ ZR2017MC054	ʜ		201708- 202006	14	a
70	Ī Ţ ṗ Ī ≠ ᒪ	Ķ ZR2017MC034			201707- 202006	15	a
71	microRNAs ĭ ì № ᒪ	Ķ ZR2018MC026			201803- 202103	14	a
72	miR-331-3p ض ṗ ╟ r № Ţ ƀ	Ķ ZR2018BC046	ʁ		201803- 202012	9	a
73	K ˇ ENV w ĭ ì ε ƀ ʜ	Ķ ZR2018BC047	ῡ		201803- 202012	11	a
74	Ķ ʒ ⅄ β	Ķ ≠ ᒣ ƀ			201809- 201908	15	b
75	⁄ ᵴᵴ ’ Ь ė ⌈ .	˙ ˈ ǐ ˈ ˆ 2018 4-8			201809- 202012	24	a
76	m6A RNA . ḱ ض ʜ Ţ ƀ	Ţ ᴝ ⅄ U ˙ ᵗ ʜ ᵗ 2018M642686	ῡ		201810- 202010	5	a
77	Ɜ ˜ miRNAs MDV w ĭ ᒪ	Ţ ᴝ ⅄ U Ψ 2018T110703			201806- 202002	15	a
78	p38à ṗ ᒪ ỹ ˙ ک ᒪ	Ţ ᴝ ⅄ U ˙ 2018M632704	↔		201801- 201912	5	a
79	LSD1 65 β Ⱪ . ض ⅄ Ţ w	ᴝ ˙			202001- 202312	58	a
80	˜Ω ᵵ ʊ ƀ	ᴝ ˙			202001- 202312	59	a
81	r : ṗ Ь ᒪ	ᴝ ˙			202001- 202312	57	a
82	LGP2ض RLRs: ᵴᵴ ῲ Ţ ƀ ᒪ	ᴝ ˙			202001- 202312	57	a
83	microRNAsض ⅄ Ţ ƀ	ᴝ			202001- 202212	24	a

84	miRNAs: J ˇ № L	يج	⅃L		202001- 202212	25	a
85	TgUrm1 ~ ˋ غ ڏ ĭ ĭ ƀ L	يج			202001- 202212	24	a
86	ɢ ṗ K ضي ⅋ № Ţ ƀ	يج			202001- 202212	25	a
87	قمم Kdm6a ضي GSD غ TSDŢ ƀ ĭ ĭ L	يج			202001- 202212	24	a
88	π ᵃᵃ ˇΩ ˇ ǖ ĭ ĭ ᵃᵃ ʒ	ˈ ʒ لج ⅋ᵃᵃ ʒ ˆ⅃ ⅞			201901- 202212	100	a
89	ĸ ˆ ⅋ ~ ⇔ ضر ƀ ᵃᵃ ʒ ƀ	ˈ ʒ لج ⅋ᵃᵃ ʒ ˆ⅃ ⅞			201901- 202212	100	a
90	π ᵃᵃ ƀ Ī	⅋ ƀ ⅞	ʊ̈u		201901- 202012	20	a
91	ضر Ţ ƀ Ī	⅋ ƀ ⅞	Ḡ ⅋		201901- 202012	20	a
92	≠ CRISPR/Cas9 MX1 غج ḱ	ĸ ǖ ⅞ˆ ˋE ~			201901- 202112	20	a
93	قمم Lambda ƀ ǖ	ĸ ǖ ⅞ˆ ˋE ~	⅄ ≠		201901- 202112	20	a
94	ɢ ǂ ˇ ǖ	ĸ ǖ ⅞ˆ ˋE ~	´		201901- 202012	20	a
95	ˇ˝	ĸ ǖ ⅞ˆ ˋE ~	↔		201901- 202112	15	a
96	قمم D	ĸ ǖ ⅞ˆ ˋE ~			201901- 202112	15	a
97	˙ ˇΩ ŋ ŋ ⅎ ᵃᵃ ˇ ǖ ĭ ᵃᵃ ʒ	ĸ ǖ ⅞ˆ ˋE ~			201901- 202112	20	a
98	˝ ˈ ʒ ƀ ˆ ~	ĸ ǖ ⅞ˆ ˋE ʉ ~ ˆ ˈ ʒ ~			201901- 202012	6	a

13	w̄ o	CN 105766733 B	Ţ يج		ǖ Ғ ≠	
14	w̄ № Wnt7b ǐ ì	ZL201610861 724.4	Ţ يج		ǖ Ғ ≠	
15	w̄ № gga-miR-34a-5p ǐ ì	ZL201610015 489.9	Ţ يج		ǖ Ғ ≠	
16	w̄ غج AGK . ǐ ì	ZL201610016 846.3	Ţ يج		ǖ Ғ ≠	
17	w̄ 2 ǐ́ r EtMIC2#1130	CN106046137 B	Ţ يج		ǖ Ғ ≠	
18	w̄ 2 ǐ́ r EtMIC2#2119	CN106046136 B	Ţ يج		ǖ Ғ ≠	
19	w̄ ضم ʌ PCR ǐ	ZL201510609 581.3	Ţ يج		ǖ Ғ	

84	Identification of a type-specific epitope in the ORF2 protein of duck astrovirus type 1	Ъ	Animals	2019.12.02	SCI	
85	A novel method to rescue and culture duck Astrovirus type 1 in vitro	Ъ	Virology Journal	2019.09.05	SCI	
86	Efficacy and immunogenicity of a live L. acidophilus expressing SAD epitope of transmissible gastroenteritis virus as an oral vaccine	Ъ	Acta Virologica	2019	SCI	
87	Identification and characterization of a novel nanobody against duck hepatitis A virus type 1	Ъ	Virology	2019.02	SCI	
88	Identification of a functional nuclear localization signal in 3Dpol/3CD of duck hepatitis A virus 1	Ъ	Virus Research	2019.09	SCI	
89	IGF2BP1 significantly enhances translation efficiency of duck hepatitis A virus type 1 without affecting viral replication	Ъ	Biomolecules	2019.10.10	SCI	
90	Oral vaccine of recombinant Lactococcus lactis expressing the VP1 protein of duck hepatitis A virus type 3 induces mucosal and systemic immune responses	Ъ	Vaccine	2019.07.18	SCI	
91	Quantitative proteomic analysis uncovers the mediation of endoplasmic reticulum stress-induced autophagy in DHAV-1-infected DEF cells	Ъ	International Journal of Molecular Sciences	2019.12.06	SCI	
92	Determination of microbiological characteristics in the digestive tract of different ruminant species.		Microbiologyopen	2019.6.12	SCI	
93	Effect of Substituting Alfalfa by Wheat Straw Powder on Rumen Digestion, Metabolism and Production Performance in Lactating Dairy Cows		Advances in Bioscience and Biotechnology	2019.8.16	SCI	
94	High-production dairy cattle exhibit different rumen and fecal bacterial community and rumen metabolite profile than low-production cattle.		Microbiologyopen	2019.4.12	SCI	
95	Restraint stress of male mice induces apoptosis in spermatozoa and spermatogenic cells: role of the FasL/Fas system	Ҿ	Biol Reprod	2019.43617	SCI	
96	The Role of Plasmids in the Multiple Antibiotic Resistance Transfer in ESBLs-Producing Escherichia coli Isolated From Wastewater Treatment Plants		Frontiers in Microbiology	2019.4	SCI	
97	Image quality guided biology application for genetic analysis	Ѣ	Journal of Visual Communication and Image Representation	2019.10.26	SCI	
98	Vitro maturation and fertilization of goat oocytes in different breeding seasons	Ѣ	REVISTA CIENTIFICA-FACULTAD DE CIENCIAS VETERINARIAS	2019.07.24	SCI	
99	Identification of whole-genome significant single nucleotide polymorphisms in candidate genes associated with body conformation traits in Chinese Holstein cattle		Animal Genetics	2019.9.16	SCI	
100	Effects of forage source and particle size on chewing activity, ruminal pH, and saliva secretion in lactating Holstein cows.	Ҭ ѧ	Animal Science Journal	2019.1.11	SCI	

101	Effects of jugular infusions of isoleucine, leucine, methionine, threonine, and other amino acids on insulin and glucagon concentrations, mammalian target of rapamycin (mTOR) signaling, and lactational performance in goats	Ţ ۲	journal of dairy science	2019.7.24	SCI	
102	Effects of rumen-protected methionine and other essential amino acid supplementation on milk and milk component yields in lactating Holstein cows	Ţ ۲	journal of dairy science	2019.6.27	SCI	
103	Short-term lactation and mammary metabolism responses in lactating goats to graded removal of methionine from an intravenously infused complete amino acid mixture	Ţ ۲	journal of dairy science	2019.5.1	SCI	
104	CCCH-type zinc finger antiviral protein is specifically overexpressed in spleen in response to subgroup J avian leukosis virus infection in chicken.		Res Vet Sci.	2019.04	SCI	
105	Clonal anergy of CD117+chB6+ B cell progenitors induced by avian leukosis virus subgroup J is associated with immunological tolerance.		Retrovirology	2019.01.03	SCI	
106	Duck circovirus induces a new pathogenetic characteristic, primary sclerosing cholangitis.		Comp Immunol Microbiol Infect Dis	2019.04	SCI	
107	Identification and characterization of chicken circovirus from commercial broiler chickens in China.		Transbound Emerg Dis.	2019.08.08	SCI	
108	Interplay between CTHRC1 and the SU protein of avian leukosis virus subgroup J (ALV-J) facilitates viral replication		Virus Res.	2019.04.15	SCI	
109	Outbreak of myelocytomatosis caused by mutational avian leukosis virus subgroup J in China, 2018		Transbound Emerg Dis.	2019.03	SCI	
110	Analysis of porcine OSBPL5 gene allelic expression in skeletal muscle and association of a single-nucleotide polymorphism in the coding region with production traits		Canadian Journal of Animal Science	2019.11.6	SCI	
111	Establishment and evaluation of a PRRSV- sensitive porcine endometrial epithelial cell line by transfecting SV40 large T antigen		BMC Veterinary Research	2019.8.19	SCI	
112	Genomic organization of the chicken T C Rlofcus originated by duplication of a V ɓ s e g m e r with a trypsinogen gene		Veterinary Immunology and Immunopathology	2019.11.10	SCI	
113	Global miRNA, lncRNA, and mRNA transcriptome profiling of endometrial epithelial cells reveals genes related to porcine reproductive failure caused by porcine reproductive and respiratory syndrome virus		Frontiers in Immunology	2019.7.4	SCI	
114	Suppression of lymphocyte apoptosis in spleen by CXCL13 after porcine ircovirus type 2 infection and regulatory mechanism of CXCL13 expression in pigs		Veterinary Research	2019.2.28	SCI	
115	The role of PTHLH in ovarian follicle selection, its transcriptional regulation and genetic effects on egg laying traits in hens		Frontiers in Genetics	2019.5.14	SCI	
116	Alfalfa polysaccharide prevents HO-induced oxidative damage in MEFs by activating MAPK/Nrf2 signaling pathways and suppressing NF-ə B s i g n a l i n g p a	۲	Scientific Reports	2019.02.11	SCI	

117	Effects of dietary supplementation of alfalfa polysaccharides on growth performance, small intestinal enzyme activities, morphology, and large intestinal selected microbiota of piglets	ع	Livestock Science	2019.01.17	SCI	
118	Extract Methods, Molecular Characteristics, and Bioactivities of Polysaccharide from Alfalfa (Medicago sativa L.)	ع	Nutrients	2019.05.27	SCI	
119	Performance, rumen fermentation, and gastrointestinal microflora of lambs fed pelleted or unpelleted total mixed ration	ع	Animal Feed Science and Technology	2019.05.03	SCI	
120	Cecal CircRNAs Are Associated With the Response to Salmonella Enterica Serovar Enteritidis Inoculation in the Chicken.		Frontiers in Immunology	2019.05.31	SCI	
121	Endogenous CSE/Hydrogen Sulfide System Regulates the Effects of Glucocorticoids and Insulin on Muscle Protein Synthesis.		Oxidative Medicine and Cellular Longevity	2019.04.07	SCI	
122	SCFAs-Induced GLP-1 Secretion Links the Regulation of Gut Microbiome on Hepatic Lipogenesis in Chickens		Frontiers in Microbiology	2019.09.26	SCI	
123	Growth promotion and dietary contribution assessment of three submerged macrophytes to Macrobrachium nipponense		Aquaculture	2019.4.15	SCI	
124	Cross-immunity in Nile tilapia vaccinated with Streptococcus agalactiae and Streptococcus iniae vaccines		Fish & Shellfish Immunology	2009.12.10	SCI	
125	The Role of Plasmids in the Multiple Antibiotic Resistance Transfer in ESBLs-Producing Escherichia coli Isolated from Wastewater Treatment Plants		Frontiers in Microbiology	2019.4.3	SCI	
126	Gonad development examination of high-temperature treated genetically female Nile tilapia		Aquaculture	2020.1.15	SCI	
127	Profiling expression changes of genes associated with temperature and sex during high temperature induced masculinization in the Nile tilapia brain		Physiol Genomics	2019.5.1	SCI	
128	Variants of pri-miR-26a-5p polymorphisms are associated with values for chicken egg production variables and affects abundance of mature miRNA.	ف	Animal Reproduction Science	2019.01.03	SCI	
129	The role of acetylation sites in the regulation of p53 activity	ε	Molecular biology reports	2019.11.04	SCI	
130	A New Strategy for the Detection of Chicken Infectious Anemia Virus Contamination in Attenuated Live Vaccine by Droplet Digital PCR		Biomed Research International	2019.5	SCI	
131	Chicken infectious anemia virus helps fowl adenovirus break the protection of maternal antibody and cause inclusion body hepatitis-hydropericardium syndrome in layers after using co-contaminated Newcastle disease virus-attenuated vaccine		Poult Science	2019.2	SCI	
132	Development and evaluation of a droplet digital PCR assay for the detection of fowl adenovirusserotypes 4 and 10 in attenuated vaccines		Journal of virological methods	2019.3	SCI	
133	Efficacy of CpG-ODN and Freund's immune adjuvants on antibody responses induced by chicken infectious anemia virus VP1, VP2, and VP3 subunit proteins		Poult Science	2019.3	SCI	
134	Epidemiological investigation of the novel genotype avian hepatitis E virus and co-infected immunosuppressive viruses in farms with hepatic rupture haemorrhage syndrome, recently emerged in China		Transboundary and Emerging Diseases	2019.3	SCI	

135	Joint treatment with azidothymidine and antiserum for eradication of avian leukosis virussubgroup a contamination in vaccine virus seeds		Poult Science	2019.2	SCI	
136	Synergetic pathogenicity of Newcastle disease vaccines LaSota strain and contaminated chicken infectious anemia virus		Poult Science	2019.5	SCI	
137	The intracorporal interaction of fowl adenovirus type 4 and LaSota strain significantly aggravates the pathogenicity of one another after using contaminated Newcastle disease virus-attenuated vaccine		Poult Science	2019.2	SCI	
138	Cecal CircRNAs Are Associated With the Response to Salmonella Enterica Serovar Enteritidis Inoculation in the Chicken		Frontiers in Im munology	2019.5.3 1	SCI	
139	Effects of Diutina rugosa SD-17 on growth performance, intestine morphology, and immune status of chickens		Poultry Science	2019.12. 1	SCI	
140	Identification and Application of Epitopes in EtMIC1 of Eimeria tenellaRecognized by the Monoclonal Antibodies 1-A1 and 1-H2		Infection and Immunity	2019.10. 18	SCI	
141	Identifification and characterization of Diutina rugosa SD-17 for potential use as a probiotic		Food Science and Technology	2019.4.1 3	SCI	
142	Monoclonal Antibody Preparation and Epitope Identification for Brucella melitensis Elongation Factor Tu		Frontiers in Microbiology	2019.8.1 3	SCI	
143	Effects of Diutina rugosa SD-17 on growth performance, intestine morphology, and immune status of chickens		Poultry Science	2019.06. 27	SCI	
144	Monoclonal Antibody Preparation and Epitope Identification for Brucella melitensis Elongation Factor Tu		Front Microbiology	2019.08. 13	SCI	
145	Prevalence and characteristics of multidrug-resistant mcr-1-positive Escherichia coli isolates from broiler chickens in Tai'an, China,		Poultry Science	2019.12. 11	SCI	
146	Identification of whole-genome significant single nucleotide polymorphisms in candidate genes associated with body conformation traits in Chinese Holstein cattle.		Animal Genetics	2019.10. 21	SCI	
147	MiR-24-3p regulates cell proliferation and milk protein synthesis of mammary epithelial cells through menin in dairy cows.		Journal of Cellular Physiology	2019.2	SCI	
148	TRIM62-mediated restriction of avian leukosis virus subgroup J replication depending on SPRY domain		Poultry Science	2019.7.1 5	SCI	
149	chi-miR-143-3p Promotes Apoptosis of Mammary Gland Epithelial Cells from Dairy Goats by Targeting Ndfip1.		DNA Cell Biol.	2019.11. 12	SCI	
150	Transcriptome analysis of dairy goat mammary gland tissues from different lactation stages.		DNA Cell Biol.	2019.02. 06	SCI	
151	Development of an attenuated live vaccine candidate of duck Tembusu virus strain	ฉัน	Veterinary Microbiology	2019.03. 20	SCI	
152	Development of an ELISA to distinguish between goose parvovirus infection and vaccine immunization antibodie	ฉัน	Poultry Science	2019.09. 03	SCI	
153	Establishment and application of a TaqMan-based one-step real-time RTPCR for the detection of novel	ฉัน	Journal of Virological	2019.10. 21	SCI	

	goose-origin astrovirus		Methods			
154	Evaluation of immunogenicity and protective efficacy of a CpG-adjuvanted DNA vaccine against Tembusu virus	第一	Veterinary Immunology and Immunopathology	2019.09.26	SCI	
155	First report of a novel goose astrovirus outbreak in Cherry Valley ducklings in China	第一	Transboundary and Emerging Diseases	2019.11.02	SCI	
156	Isolation and characterization of a variant duck orthoreovirus causing spleen necrosis in Peking ducks, China	第一	Transboundary and Emerging Diseases	2019.05.04	SCI	
157	Pathogenicity and genomic characterization of a novel avian orthoreovius variant isolated from vaccinated broiler flock in China	第一	Avian Pathology	2019.05.27	SCI	
158	Pathogenicity of a Variant Duck Orthoreovirus Strain in Cherry Valley Ducklings	第一	Veterinary Microbiology	2019.12.03	SCI	

227	Ţ ᛘ Apidaecin ĭ ì	Ḡ ᛘ	Ţ يج ˈ ʒ	2019.4.1	CSCD	
228	ѣ □ ŋ ̈ ŭ à ĭ ǯ		˗ ī	2019.06.10	CSCD	
229	Ţ ƨ		˗ ī	2019.04.03	CSCD	
230	ī . ᛗ ĭ . ǯ		˗ ī	2019.05.07	CSCD	
231	ѣ □ . ĭ	ضي	Ţ يج	2019,34(11):70-75.	CSCD	
232	ˎ ה № à غ ≠	ضي	ʒ	2019,40(09):26-32.	CSCD	
233	ˎ ה ĭ ã̄	ضي	ʒ	2019,40(04):8-13.	CSCD	
234	̈ ڻ ̈ ᵐ U à غ ǯ	ضي		2019 ˘ 12	CSCD	
235	غ	ضي	ʞ ˈ ʒ ˆ ˜	2019,50(01):107-111.	CSCD	
236	ŭ ˎ غ ī № ≠ ǯ	ضي	ʒ	2019,40(01):27-29.	CSCD	
237	Ţ ŭ ה àī № . غ . ǯ	ضي	Ţ يج ˊ ᛘ	2019,12	CSCD	
238	ɪ ѣ ᵐ غ ה ǯ	ש	Ţ يج ʒ	2019, 14(3): 39-42.	CSCD	
239	̈ ʷ ᵛ ᵊ ה ĭ . ǯ	ש	ī	2019, (1): 17-19.	CSCD	
240	ᵛ ̈ ᵛ ᵊ ĭ ǯ	ש	ī	2019, (3): 19-21.	CSCD	
241	ѿ ѣ ã̄ ǯ	ש	ī	2019, (2): 29-32.	CSCD	
242	̵ ŋ ء ╠ ʳ ĭ ī ǯ	ש	Ţ يج	2019, (7): 14-18.	CSCD	
243	Ḥ ̃Ω ṗ غ Ӣ ╠ ʳ № ʌ ᛗ ī ѣ	ש	Ţ يج	2019, 55(6): 39-44.	CSCD	
244	miR-331-3p ʳ ĭ ì ǯ	ש		2019, 35(5): 892-900.	CSCD	