Enock Y Park

List of Publications by Year
in descending order

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268	7,659	57758	85541
papers	citations	44 h-index	71 g-index

279	279	279	8007
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Two-step purification of tag-free norovirus-like particles from silkworm larvae (Bombyx mori). Protein Expression and Purification, 2022, 190, 106010.	1.3	4
2	Fabrication of MERS-nanovesicle biosensor composed of multi-functional DNA aptamer/graphene-MoS2 nanocomposite based on electrochemical and surface-enhanced Raman spectroscopy. Sensors and Actuators B: Chemical, 2022, 352, 131060.	7.8	34
3	3D hierarchically porous magnetic molybdenum trioxide@gold nanospheres as a nanogap-enhanced Raman scattering biosensor for SARS-CoV-2. Nanoscale Advances, 2022, 4, 871-883.	4.6	19
4	Humoral immune response induced with dengue virus-like particles serotypes 1 and 4 produced in silkworm. AMB Express, 2022, 12, 8.	3.0	2
5	Structural basis of the strict specificity of a bacterial GH31 Î±-1,3-glucosidase for nigerooligosaccharides. Journal of Biological Chemistry, 2022, 298, 101827.	3.4	10
6	Advancement of dengue virus NS1 protein detection by 3D-nanoassembly complex gold nanoparticles utilizing competitive sandwich aptamer on disposable electrode. Analytica Chimica Acta, 2022, 1207, 339817.	5.4	9
7	Dual display hemagglutinin 1 and 5 on the surface of enveloped virus-like particles in silkworm expression system. Protein Expression and Purification, 2022, 197, 106106.	1.3	0
8	Green synthesis of carbon dots using expired agar for a label-free fluorescence signal-amplified detection of ferric ion utilizing oxalate functionalization. Materials Advances, 2022, 3, 6307-6315.	5.4	2
9	Self-assembled chromogen-loaded polymeric cocoon for respiratory virus detection. Nanoscale, 2021, 13, 388-396.	5.6	27
10	Human Gb3/CD77 synthase produces P1 glycotope-capped N-glycans, which mediate Shiga toxin 1 but not Shiga toxin 2 cell entry. Journal of Biological Chemistry, 2021, 296, 100299.	3.4	9
11	Effects of Cordycepin in Cordyceps militaris during Its Infection to Silkworm Larvae. Microorganisms, 2021, 9, 681.	3.6	10
12	Molybdenum Trioxide Quantum Dot-Encapsulated Nanogels for Virus Detection by Surface-Enhanced Raman Scattering on a 2D Substrate. ACS Applied Materials & Interfaces, 2021, 13, 27836-27844.	8.0	12
13	Plasmon Nanocomposite-Enhanced Optical and Electrochemical Signals for Sensitive Virus Detection. ACS Sensors, 2021, 6, 2605-2612.	7.8	17
14	Identification of antigenic domains and peptides from VP15 of white spot syndrome virus and their antiviral effects in Marsupenaeus japonicus. Scientific Reports, 2021, 11, 12766.	3.3	8
15	Self-Assembled Chromogenic Polymeric Nanoparticle-Laden Nanocarrier as a Signal Carrier for Derivative Binary Responsive Virus Detection. ACS Applied Materials & Interfaces, 2021, 13, 36868-36879.	8.0	18
16	Cargo encapsulated hepatitis E virus-like particles for anti-HEV antibody detection. Biosensors and Bioelectronics, 2021, 185, 113261.	10.1	8
17	Effects of sirtuins on the riboflavin production in Ashbya gossypii. Applied Microbiology and Biotechnology, 2021, 105, 7813-7823.	3.6	4
18	Effects of a proteasome inhibitor on the riboflavin production in Ashbya gossypii. Journal of Applied Microbiology, 2021, , .	3.1	0

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19	Sulfur-doped carbon dots@polydopamine-functionalized magnetic silver nanocubes for dual-modality detection of norovirus. Biosensors and Bioelectronics, 2021, 193, 113540.	10.1	36
20	Design and Analysis of a Single System of Impedimetric Biosensors for the Detection of Mosquito-Borne Viruses. Biosensors, 2021, 11, 376.	4.7	8
21	Structure of a bacterial Î±-1,2-glucosidase defines mechanisms of hydrolysis and substrate specificity in GH65 family hydrolases. Journal of Biological Chemistry, 2021, 297, 101366.	3.4	7
22	A systematic and methodical approach for the efficient purification of recombinant protein from silkworm larval hemolymph. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2020, 1138, 121964.	2.3	5
23	The detection and identification of dengue virus serotypes with quantum dot and AuNP regulated localized surface plasmon resonance. Nanoscale Advances, 2020, 2, 699-709.	4.6	29
24	Identification of secretion domain of Neospora caninum profilin. Biochemical and Biophysical Research Communications, 2020, 522, 8-13.	2.1	0
25	Controlling distance, size and concentration of nanoconjugates for optimized LSPR based biosensors. Biosensors and Bioelectronics, 2020, 170, 112657.	10.1	34
26	Ultrasensitive Detection of the Hepatitis E Virus by Electrocatalytic Water Oxidation Using Pt-Co₃O₄ Hollow Cages. ACS Applied Materials & Interfaces, 2020, 12, 50212-50221.	8.0	28
27	Hollow magnetic-fluorescent nanoparticles for dual-modality virus detection. Biosensors and Bioelectronics, 2020, 170, 112680.	10.1	34
28	Fluoroimmunoassay of influenza virus using sulfur-doped graphitic carbon nitride quantum dots coupled with Ag2S nanocrystals. Mikrochimica Acta, 2020, 187, 466.	5.0	17
29	Boosting the energy storage performance of V₂O₅ nanosheets by intercalating conductive graphene quantum dots. Nanoscale, 2020, 12, 16944-16955.	5.6	34
30	Preparation of divalent antigen-displaying enveloped virus-like particles using a single recombinant Bombyx mori nucleopolyhedrovirus bacmid in silkworms. Journal of Biotechnology, 2020, 323, 92-97.	3.8	2
31	Structural insight into the substrate specificity of Bombyx mori Î²-fructofuranosidase belonging to the glycoside hydrolase family 32. Insect Biochemistry and Molecular Biology, 2020, 127, 103494.	2.7	15
32	Electrochemical detection of white spot syndrome virus with a silicone rubber disposable electrode composed of graphene quantum dots and gold nanoparticle-embedded polyaniline nanowires. Journal of Nanobiotechnology, 2020, 18, 152.	9.1	11
33	Silkworm Pupae Function as Efficient Producers of Recombinant Glycoproteins with Stable-Isotope Labeling. Biomolecules, 2020, 10, 1482.	4.0	4
34	Molybdenum Trioxide Nanocubes Aligned on a Graphene Oxide Substrate for the Detection of Norovirus by Surface-Enhanced Raman Scattering. ACS Applied Materials & Interfaces, 2020, 12, 43522-43534.	8.0	37
35	Fluorescent and electrochemical dual-mode detection of Chikungunya virus E1 protein using fluorophore-embedded and redox probe-encapsulated liposomes. Mikrochimica Acta, 2020, 187, 674.	5.0	22
36	Ni-modified magnetic nanoparticles for affinity purification of His-tagged proteins from the complex matrix of the silkworm fat body. Journal of Nanobiotechnology, 2020, 18, 159.	9.1	15

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37	Crystal structure of the EnterococcusÂfaecalis Î±â€Nâ€acetylgalactosaminidase, a member of the glycoside hydrolase family 31. FEBS Letters, 2020, 594, 2282-2293.	2.8	11
38	Structureâ€"function analysis of silkworm sucrose hydrolase uncovers the mechanism of substrate specificity in GH13 subfamily 17 exo-Î±-glucosidases. Journal of Biological Chemistry, 2020, 295, 8784-8797.	3.4	7
39	Î±-L-Fucosidase from Bombyx mori has broad substrate specificity and hydrolyzes core fucosylated N-glycans. Insect Biochemistry and Molecular Biology, 2020, 124, 103427.	2.7	5
40	Plasmonic/magnetic molybdenum trioxide and graphitic carbon nitride quantum dots-based fluoroimmunosensing system for influenza virus. Sensors and Actuators B: Chemical, 2020, 321, 128494.	7.8	42
41	Fluorometric virus detection platform using quantum dots-gold nanocomposites optimizing the linker length variation. Analytica Chimica Acta, 2020, 1109, 148-157.	5.4	59
42	Advancement of capture immunoassay for real-time monitoring of hepatitis E virus-infected monkey. Analytica Chimica Acta, 2020, 1110, 64-71.	5.4	22
43	Dual modality sensor using liposome-based signal amplification technique for ultrasensitive norovirus detection. Biosensors and Bioelectronics, 2020, 157, 112169.	10.1	48
44	Antigenic properties of VP15 from white spot syndrome virus in kuruma shrimp Marsupenaeus japonicus. Fish and Shellfish Immunology, 2020, 101, 152-158.	3.6	16
45	Genomic analysis of a riboflavin-overproducing Ashbya gossypii mutant isolated by disparity mutagenesis. BMC Genomics, 2020, 21, 319.	2.8	5
46	Use of Target-Specific Liposome and Magnetic Nanoparticle Conjugation for the Amplified Detection of Norovirus. ACS Applied Bio Materials, 2020, 3, 3560-3568.	4.6	13
47	Draft Genome Sequence of the Aspergillus terreus High-Itaconic-Acid-Productivity Strain IFO6365. Microbiology Resource Announcements, 2020, 9, .	0.6	4
48	Agglutination of Human Polyomaviruses by Using a Tetravalent Glycocluster as a Cross-Linker. ACS Omega, 2020, 5, 21940-21947.	3.5	5
49	Production of dengue virus-like particles serotype-3 in silkworm larvae and their ability to elicit a humoral immune response in mice. AMB Express, 2020, 10, 147.	3.0	7
50	Highâ€Performance Biosensing Systems Based on Various Nanomaterials as Signal Transducers. Biotechnology Journal, 2019, 14, e1800249.	3.5	21
51	Electrical pulse-induced electrochemical biosensor for hepatitis E virus detection. Nature Communications, 2019, 10, 3737.	12.8	137
52	Sero-diagnostic potential of Plasmodium falciparum recombinant merozoite surface protein (MSP)-3 expressed in silkworm. Parasitology International, 2019, 72, 101938.	1.3	9
53	Preparation of virus-like particle mimetic nanovesicles displaying the S protein of Middle East respiratory syndrome coronavirus using insect cells. Journal of Biotechnology, 2019, 306, 177-184.	3.8	54
54	Biochemical characterization and mutational analysis of silkworm Bombyx mori Î²-1,4-N-acetylgalactosaminyltransferase and insight into the substrate specificity of Î²-1,4-galactosyltransferase family enzymes. Insect Biochemistry and Molecular Biology, 2019, 115, 103254.	2.7	9

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55	Formation of Virus-Like Particles of the Dengue Virus Serotype 2 Expressed in Silkworm Larvae. Molecular Biotechnology, 2019, 61, 852-859.	2.4	6
56	Development of SpyTag/SpyCatcher-Bacmid Expression Vector System (SpyBEVS) for Protein Bioconjugations Inside of Silkworms. International Journal of Molecular Sciences, 2019, 20, 4228.	4.1	8
57	Methylene blue-encapsulated liposomal biosensor for electrochemical detection of sphingomyelinase enzyme. Sensors and Actuators B: Chemical, 2019, 301, 127153.	7.8	8
58	Neospora caninum antigens displaying virus-like particles as a bivalent vaccine candidate against neosporosis. Vaccine, 2019, 37, 6426-6434.	3.8	8
59	Application of Novel Sialoglyco Particulates Enhances the Detection Sensitivity of the Equine Influenza Virus by Real-Time Reverse Transcriptase Polymerase Chain Reaction. ACS Applied Bio Materials, 2019, 2, 1255-1261.	4.6	11
60	A localized surface plasmon resonance-amplified immunofluorescence biosensor for ultrasensitive and rapid detection of nonstructural protein 1 of Zika virus. PLoS ONE, 2019, 14, e0211517.	2.5	30
61	Ultrasensitive detection of norovirus using a magnetofluoroimmunoassay based on synergic properties of gold/magnetic nanoparticle hybrid nanocomposites and quantum dots. Sensors and Actuators B: Chemical, 2019, 296, 126672.	7.8	30
62	Secretory Nanoparticles of Neospora caninum Profilin-Fused with the Transmembrane Domain of GP64 from Silkworm Hemolymph. Nanomaterials, 2019, 9, 593.	4.1	5
63	Metabolic comparison of aerial and submerged mycelia formed in the liquid surface culture of Cordyceps militaris. MicrobiologyOpen, 2019, 8, e00836.	3.0	16
64	Draft Genome Sequence of Aspergillus terreus High-Itaconic-Acid-Productivity Mutant TN-484. Microbiology Resource Announcements, 2019, 8, .	0.6	5
65	Enhanced colorimetric detection of norovirus using in-situ growth of Ag shell on Au NPs. Biosensors and Bioelectronics, 2019, 126, 425-432.	10.1	77
66	Expression and characterization of silkworm Bombyx mori Î²-1,2-N-acetylglucosaminyltransferase II, a key enzyme for complex-type N-glycan biosynthesis. Journal of Bioscience and Bioengineering, 2019, 127, 273-280.	2.2	8
67	Detection of Infectious Viruses using Advanced Nanobiotechnology for Green Society. , 2019, , 316-331.		5
68	Plasmonic Oleylamine-Capped Gold and Silver Nanoparticle-Assisted Synthesis of Luminescent Alloyed CdZnSeS Quantum Dots. ACS Omega, 2018, 3, 1357-1366.	3.5	9
69	Purification of virus-like particles (VLPs) expressed in the silkworm Bombyx mori. Biotechnology Letters, 2018, 40, 659-666.	2.2	18
70	The effects of gene disruption of Kre6-like proteins on the phenotype of Î²-glucan-producing Aureobasidium pullulans. Applied Microbiology and Biotechnology, 2018, 102, 4467-4475.	3.6	9
71	Magnetic Nanozyme-Linked Immunosorbent Assay for Ultrasensitive Influenza A Virus Detection. ACS Applied Materials & Interfaces, 2018, 10, 12534-12543.	8.0	144
72	A multi-functional gold/iron-oxide nanoparticle-CNT hybrid nanomaterial as virus DNA sensing platform. Biosensors and Bioelectronics, 2018, 102, 425-431.	10.1	138

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73	Development of an effective electrochemical platform for highly sensitive DNA detection using MoS2 - polyaniline nanocomposites. Biochemical Engineering Journal, 2018, 140, 130-139.	3.6	25
74	Femtomolar Detection of Dengue Virus DNA with Serotype Identification Ability. Analytical Chemistry, 2018, 90, 12464-12474.	6.5	54
75	Single-step detection of norovirus tuning localized surface plasmon resonance-induced optical signal between gold nanoparticles and quantum dots. Biosensors and Bioelectronics, 2018, 122, 16-24.	10.1	54
76	Expression of a functional intrabody against hepatitis C virus core protein in Escherichia coli and silkworm pupae. Protein Expression and Purification, 2018, 150, 61-66.	1.3	0
77	Plasmonic/magnetic graphene-based magnetofluoro-immunosensing platform for virus detection. Sensors and Actuators B: Chemical, 2018, 276, 254-261.	7.8	29
78	Impedimetric biosensor for detection of cancer cells employing carbohydrate targeting ability of Concanavalin A. Biosensors and Bioelectronics, 2018, 122, 95-103.	10.1	35
79	Purification of human papillomavirus-like particles expressed in silkworm using a Bombyx mori nucleopolyhedrovirus bacmid expression system. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2018, 1096, 39-47.	2.3	6
80	Heterologous expression, purification and characterization of human Î²-1,2-N-acetylglucosaminyltransferase II using a silkworm-based Bombyx mori nucleopolyhedrovirus bacmid expression system. Journal of Bioscience and Bioengineering, 2018, 126, 15-22.	2.2	4
81	Functional Analysis of Ribonucleotide Reductase from Cordyceps militaris Expressed in Escherichia coli. Applied Biochemistry and Biotechnology, 2017, 182, 1307-1317.	2.9	8
82	Bright luminescent optically engineered core/alloyed shell quantum dots: an ultrasensitive signal transducer for dengue virus RNA via localized surface plasmon resonance-induced hairpin hybridization. Journal of Materials Chemistry B, 2017, 5, 3047-3058.	5.8	24
83	N-Glycan Modification of a Recombinant Protein via Coexpression of Human Glycosyltransferases in Silkworm Pupae. Scientific Reports, 2017, 7, 1409.	3.3	19
84	Alteration of a recombinant protein N-glycan structure in silkworms by partial suppression of N-acetylglucosaminidase gene expression. Biotechnology Letters, 2017, 39, 1299-1308.	2.2	2
85	Chemoenzymatic synthesis and characterization of N-glycolylneuraminic acid-carrying sialoglycopolypeptides as effective inhibitors against equine influenza virus hemagglutination. Bioscience, Biotechnology and Biochemistry, 2017, 81, 1520-1528.	1.3	7
86	Localized surface plasmon resonance-mediated fluorescence signals in plasmonic nanoparticle-quantum dot hybrids for ultrasensitive Zika virus RNA detection via hairpin hybridization assays. Biosensors and Bioelectronics, 2017, 94, 513-522.	10.1	84
87	In situ self-assembly of gold nanoparticles on hydrophilic and hydrophobic substrates for influenza virus-sensing platform. Scientific Reports, 2017, 7, 44495.	3.3	97
88	Nanofabricated optical tuning and epitaxial overgrowth of In₂S₃ shells on CdSe cores. New Journal of Chemistry, 2017, 41, 1303-1312.	2.8	6
89	Transduction of a Neospora caninum antigen gene into mammalian cells using a modified Bombyx mori nucleopolyhedrovirus for antibody production. Journal of Bioscience and Bioengineering, 2017, 124, 606-610.	2.2	0
90	Binary Nanoparticle Graphene Hybrid Structure-Based Highly Sensitive Biosensing Platform for Norovirus-Like Particle Detection. ACS Applied Materials & Interfaces, 2017, 9, 27298-27304.	8.0	38

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91	Insulin-like peptide 3 expressed in the silkworm possesses intrinsic disulfide bonds and full biological activity. Scientific Reports, 2017, 7, 17339.	3.3	2
92	Conventional and unconventional secretory proteins expressed with silkworm bombyxin signal peptide display functional fidelity. Scientific Reports, 2017, 7, 14499.	3.3	2
93	Versatility of a localized surface plasmon resonance-based gold nanoparticle-alloyed quantum dot nanobiosensor for immunofluorescence detection of viruses. Biosensors and Bioelectronics, 2017, 89, 998-1005.	10.1	134
94	Size-controlled preparation of peroxidase-like graphene-gold nanoparticle hybrids for the visible detection of norovirus-like particles. Biosensors and Bioelectronics, 2017, 87, 558-565.	10.1	133
95	Plasmonic Nanomaterial-Based Optical Biosensing Platforms for Virus Detection. Sensors, 2017, 17, 2332.	3.8	39
96	Insight into cordycepin biosynthesis of Cordyceps militaris: Comparison between a liquid surface culture and a submerged culture through transcriptomic analysis. PLoS ONE, 2017, 12, e0187052.	2.5	29
97	Gold Nanoparticle-Quantum Dot Fluorescent Nanohybrid: Application for Localized Surface Plasmon Resonance-induced Molecular Beacon Ultrasensitive DNA Detection. Nanoscale Research Letters, 2016, 11, 523.	5.7	24
98	The use of nanocrystal quantum dot as fluorophore reporters in molecular beacon-based assays. Nano Convergence, 2016, 3, 32.	12.1	10
99	Gene transduction in mammalian cells using Bombyx mori nucleopolyhedrovirus assisted by glycoprotein 64 of Autographa californica multiple nucleopolyhedrovirus. Scientific Reports, 2016, 6, 32283.	3.3	12
100	Virus-Like Particles Displaying Recombinant Short-Chain Fragment Region and Interleukin 2 for Targeting Colon Cancer Tumors and Attracting Macrophages. Journal of Pharmaceutical Sciences, 2016, 105, 1614-1622.	3.3	12
101	Recent progress on the development of antibiotics from the genus Micromonospora. Biotechnology and Bioprocess Engineering, 2016, 21, 199-223.	2.6	45
102	Enhanced catalytic activity of gold nanoparticle-carbon nanotube hybrids for influenza virus detection. Biosensors and Bioelectronics, 2016, 85, 503-508.	10.1	103
103	An ultrasensitive alloyed near-infrared quinternary quantum dot-molecular beacon nanodiagnostic bioprobe for influenza virus RNA. Biosensors and Bioelectronics, 2016, 80, 483-490.	10.1	29
104	Improved cordycepin production in a liquid surface culture of Cordyceps militaris isolated from wild strain. Biotechnology and Bioprocess Engineering, 2016, 21, 595-600.	2.6	18
105	Size-confined fixed-composition and composition-dependent engineered band gap alloying induces different internal structures in L-cysteine-capped alloyed quaternary CdZnTeS quantum dots. Scientific Reports, 2016, 6, 27288.	3.3	32
106	Detection of influenza virus using peroxidaseâ€mimic of gold nanoparticles. Biotechnology and Bioengineering, 2016, 113, 2298-2303.	3.3	72
107	An ultrasensitive SiO2-encapsulated alloyed CdZnSeS quantum dot-molecular beacon nanobiosensor for norovirus. Biosensors and Bioelectronics, 2016, 86, 135-142.	10.1	46
108	Versatility of chitosan/BmNPV bacmid DNA nanocomplex as transfection reagent of recombinant protein expression in silkworm larvae. Biotechnology Letters, 2016, 38, 1449-1457.	2.2	11

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109	Synthesis of tetravalent LacNAc-glycoclusters as high-affinity cross-linker against Erythrina cristagalli agglutinin. Bioorganic and Medicinal Chemistry, 2016, 24, 1-11.	3.0	17
110	Gradient band gap engineered alloyed quaternary/ternary CdZnSeS/ZnSeS quantum dots: an ultrasensitive fluorescence reporter in a conjugated molecular beacon system for the biosensing of influenza virus RNA. Journal of Materials Chemistry B, 2016, 4, 1489-1498.	5.8	28
111	Biotechnology of riboflavin. Applied Microbiology and Biotechnology, 2016, 100, 2107-2119.	3.6	123
112	Synthesis of Gold Nanoparticles with Buffer-Dependent Variations of Size and Morphology in Biological Buffers. Nanoscale Research Letters, 2016, 11, 65.	5.7	22
113	Advanced Protein Expression Using Bombyx mori Nucleopolyhedrovirus (BmNPV) Bacmid in Silkworm. True Bugs (Heteroptera) of the Neotropics, 2016, , 165-184.	1.2	0
114	Comparative metabolic flux analysis of an Ashbya gossypii wild type strain and a high riboflavin-producing mutant strain. Journal of Bioscience and Bioengineering, 2015, 119, 101-106.	2.2	29
115	Chimeric Virus-Like Particles Made Using GAG and M1 Capsid Proteins Providing Dual Drug Delivery and Vaccination Platform. Molecular Pharmaceutics, 2015, 12, 839-845.	4.6	29
116	Evaluation of recombinant Neospora caninum antigens purified from silkworm larvae for the protection of N.Âcaninum infection in mice. Journal of Bioscience and Bioengineering, 2015, 120, 715-719.	2.2	5
117	Improved insecticidal activity of a recombinant baculovirus expressing spider venom cyto-insectotoxin. Applied Microbiology and Biotechnology, 2015, 99, 10261-10269.	3.6	10
118	Development of Rous sarcoma Virus-like Particles Displaying hCC49 scFv for Specific Targeted Drug Delivery to Human Colon Carcinoma Cells. Pharmaceutical Research, 2015, 32, 3699-3707.	3.5	26
119	Novel enzymatic synthesis of spacer-linked Pk trisaccharide targeting for neutralization of Shiga toxin. Journal of Biotechnology, 2015, 209, 50-57.	3.8	8
120	Stable isotope labeling of glycoprotein expressed in silkworms using immunoglobulin G as a test molecule. Journal of Biomolecular NMR, 2015, 62, 157-167.	2.8	13
121	The Insulin-Like Factor 3 (INSL3)-Receptor (RXFP2) Network Functions as a Germ Cell Survival/Anti-Apoptotic Factor in Boar Testes. Endocrinology, 2015, 156, 1523-1539.	2.8	40
122	Genome Sequence of a Novel Iflavirus from mRNA Sequencing of the Pupa of Bombyx mori Inoculated with Cordyceps militaris. Genome Announcements, 2015, 3, .	0.8	9
123	Phosphorylation of Ser-204 and Tyr-405 in human malonyl-CoA decarboxylase expressed in silkworm Bombyx mori regulates catalytic decarboxylase activity. Applied Microbiology and Biotechnology, 2015, 99, 8977-8986.	3.6	3
124	Bombyx mori Nucleopolyhedrovirus Displaying Neospora caninum Antigens as a Vaccine Candidate Against N. caninum Infection in Mice. Molecular Biotechnology, 2015, 57, 145-154.	2.4	10
125	A plasmon-assisted fluoro-immunoassay using gold nanoparticle-decorated carbon nanotubes for monitoring the influenza virus. Biosensors and Bioelectronics, 2015, 64, 311-317.	10.1	90
126	The structural basis for receptor recognition of human interleukin-18. Nature Communications, 2014, 5, 5340.	12.8	107

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127	Terminal sialic acid linkages determine different cell infectivities of human parainfluenza virus type 1 and type 3. Virology, 2014, 464-465, 424-431.	2.4	26
128	Non-toxic nanoparticles from phytochemicals: preparation and biomedical application. Bioprocess and Biosystems Engineering, 2014, 37, 983-989.	3.4	46
129	A Model for Targeting Colon Carcinoma Cells Using Single-Chain Variable Fragments Anchored on Virus-Like Particles via Glycosyl Phosphatidylinositol Anchor. Pharmaceutical Research, 2014, 31, 2166-2177.	3.5	11
130	Characterization of human papillomavirus 6b L1 virus-like particles isolated from silkworms using capillary zone electrophoresis. Journal of Bioscience and Bioengineering, 2014, 118, 311-314.	2.2	7
131	Metal enhanced fluorescence on nanoporous gold leaf-based assay platform for virus detection. Biosensors and Bioelectronics, 2014, 58, 33-39.	10.1	44
132	Functional analysis of cis-aconitate decarboxylase and trans-aconitate metabolism in riboflavin-producing filamentous Ashbya gossypii. Journal of Bioscience and Bioengineering, 2014, 117, 563-568.	2.2	13
133	Human acetyl-CoA carboxylase 2 expressed in silkworm Bombyx mori exhibits posttranslational biotinylation and phosphorylation. Applied Microbiology and Biotechnology, 2014, 98, 8201-8209.	3.6	8
134	Expression and purification of cyto-insectotoxin (Cit1a) using silkworm larvae targeting for an antimicrobial therapeutic agent. Applied Microbiology and Biotechnology, 2014, 98, 6973-6982.	3.6	7
135	Tracking Neospora caninum parasites using chimera monoclonal antibodies against its surface antigen-related sequences (rNcSRS2). Journal of Bioscience and Bioengineering, 2014, 117, 351-357.	2.2	3
136	Production of human papillomavirus 6b L1 virus-like particles incorporated with enhanced green fluorescent whole protein in silkworm larvae. Biotechnology and Bioprocess Engineering, 2013, 18, 514-519.	2.6	6
137	Toxic chemical monitoring of agricultural bioproducts using nanomaterials-based sensors. Korean Journal of Chemical Engineering, 2013, 30, 1825-1832.	2.7	6
138	Quantum dots incorporated magnetic nanoparticles for imaging colon carcinoma cells. Journal of Nanobiotechnology, 2013, 11, 28.	9.1	30
139	Improved Î²-glucan yield using an Aureobasidium pullulans M-2 mutant strain in a 200-L pilot scale fermentor targeting industrial mass production. Biotechnology and Bioprocess Engineering, 2013, 18, 1083-1089.	2.6	20
140	Spot14/Mig12 heterocomplex sequesters polymerization and restrains catalytic function of human acetylâ€CoA carboxylase 2. Journal of Molecular Recognition, 2013, 26, 679-688.	2.1	25
141	Expression, purification and antigenicity of Neospora caninum-antigens using silkworm larvae targeting for subunit vaccines. Veterinary Parasitology, 2013, 192, 284-287.	1.8	16
142	Detection of anti-Neospora antibodies in bovine serum by using spiky Auâ€“CdTe nanocomplexes. Sensors and Actuators B: Chemical, 2013, 178, 192-199.	7.8	11
143	Expression and purification of bioactive hemagglutinin protein of highly pathogenic avian influenza A (H5N1) in silkworm larvae. Journal of Virological Methods, 2013, 194, 271-276.	2.1	7
144	Display of Neospora caninum surface protein related sequence 2 on Rous sarcoma virus-derived gag protein virus-like particles. Journal of Biotechnology, 2013, 165, 69-75.	3.8	13

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145	Waste paper sludge as a potential biomass for bio-ethanol production. Korean Journal of Chemical Engineering, 2013, 30, 253-261.	2.7	39
146	The active form of goat insulin-like peptide 3 (INSL3) is a single-chain structure comprising three domains B-C-A, constitutively expressed and secreted by testicular Leydig cells. Biological Chemistry, 2013, 394, 1181-1194.	2.5	14
147	Guided Bone Regeneration Using a Flexible Hydroxyapatite Patch. Journal of Biomedical Nanotechnology, 2013, 9, 1914-1920.	1.1	14
148	Development of Two Murine Antibodies against Neospora caninum Using Phage Display Technology and Application on the Detection of N. caninum. PLoS ONE, 2013, 8, e53264.	2.5	13
149	Isolation of Recombinant Phage Antibodies Targeting the Hemagglutinin Cleavage Site of Highly Pathogenic Avian Influenza Virus. PLoS ONE, 2013, 8, e61158.	2.5	14
150	Construction of New Ligation-Independent Cloning Vectors for the Expression and Purification of Recombinant Proteins in Silkworms Using BmNPV Bacmid System. PLoS ONE, 2013, 8, e64007.	2.5	6
151	Relaxin-like factor (RLF)/insulin-like peptide 3 (INSL3) is secreted from testicular Leydig cells as a monomeric protein comprising three domains Bâ€“Câ€“A with full biological activity in boars. Biochemical Journal, 2012, 441, 265-273.	3.7	38
152	Low-temperature Plasma Processing of Micro- and Nanostructured Materials for Biomedical Applications. Materials Research Society Symposia Proceedings, 2012, 1469, 31.	0.1	1
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