

# Peter B Armstrong

## List of Publications by Year in descending order

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91  
papers

2,629  
citations

185998

28  
h-index

205818

48  
g-index

91  
all docs

91  
docs citations

91  
times ranked

1857  
citing authors

#	ARTICLE	IF	CITATIONS
1	Î± 2 -macroglobulin: an evolutionarily conserved arm of the innate immune system. <i>Developmental and Comparative Immunology</i> , 1999, 23, 375-390.	1.0	267
2	Proteases and protease inhibitors: a balance of activities in hostâ€“pathogen interaction. <i>Immunobiology</i> , 2006, 211, 263-281.	0.8	126
3	Cell Sorting Out: The Self-Assembly of Tissues<i>In Vitro</i>. <i>Critical Reviews in Biochemistry and Molecular Biology</i> , 1989, 24, 119-149.	2.3	125
4	The contribution of proteinase inhibitors to immune defense. <i>Trends in Immunology</i> , 2001, 22, 47-52.	2.9	88
5	On the recovery of adhesiveness by trypsin-dissociated cells. <i>Journal of Membrane Biology</i> , 1973, 13, 97-128.	1.0	82
6	Studies of intercellular invasion in vitro using rabbit peritoneal neutrophil granulocytes (PMNS). I. Role of contact inhibition of locomotion.. <i>Journal of Cell Biology</i> , 1975, 65, 439-462.	2.3	79
7	Endotoxin-induced degranulation of the amebocyte. <i>Experimental Cell Research</i> , 1982, 140, 15-24.	1.2	79
8	Tumor Cell Intravasation Alu-cidated. <i>Cell</i> , 1998, 94, 281-284.	13.5	79
9	Membrane protein redistribution during <i>Xenopus</i> first cleavage.. <i>Journal of Cell Biology</i> , 1986, 102, 2176-2184.	2.3	78
10	Molecular Cloning of Limulusalpha2-Macroglobulin. <i>FEBS Journal</i> , 1996, 242, 822-831.	0.2	75
11	A FINE STRUCTURAL STUDY OF ADHESIVE CELL JUNCTIONS IN HETEROTYPIC CELL AGGREGATES. <i>Journal of Cell Biology</i> , 1970, 47, 197-210.	2.3	70
12	A Cytolytic Function for a Sialic Acid-binding Lectin That Is a Member of the Pentraxin Family of Proteins. <i>Journal of Biological Chemistry</i> , 1996, 271, 14717-14721.	1.6	60
13	CELL SORTING IN THE PRESENCE OF CYTOCHALASIN B. <i>Journal of Cell Biology</i> , 1972, 55, 542-553.	2.3	59
14	Light and electron microscope studies of cell sorting in combinations of chick embryo neural retina and retinal pigment epithelium. <i>Development Genes and Evolution</i> , 1971, 168, 125-141.	0.4	53
15	On the role of metal cations in cellular adhesion: Effect on cell surface charge. <i>The Journal of Experimental Zoology</i> , 1966, 163, 99-109.	1.4	51
16	An Î±2-macroglobulinlike activity in the blood of chelicerate and mandibulate arthropods. <i>The Journal of Experimental Zoology</i> , 1985, 236, 1-9.	1.4	46
17	Humoral immunity in long-lived arthropods. <i>Journal of Insect Physiology</i> , 1996, 42, 53-64.	0.9	44
18	Regulation of proliferation of the fetal myocardium. <i>Developmental Dynamics</i> , 2000, 219, 226-236.	0.8	44

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19	Involvement of $\hat{I}\pm 2$ -macroglobulin and C-reactive protein in a complement-like hemolytic system in the arthropod, <i>Limulus polyphemus</i> . <i>Molecular Immunology</i> , 1993, 30, 929-934.	1.0	39
20	The control of cell motility during embryogenesis. <i>Cancer and Metastasis Reviews</i> , 1985, 4, 59-79.	2.7	36
21	Intercellular invasion and the organizational stability of tissues: a role for fibronectin. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2000, 1470, O9-O20.	3.3	36
22	$\hat{I}\pm 2$ -Macroglobulin-mediated Clearance of Proteases from the Plasma of the American Horseshoe Crab, <i>Limulus polyphemus</i> . <i>Journal of Biological Chemistry</i> , 1995, 270, 13496-13502.	1.6	34
23	An extracellular fibrillar matrix in gastrulating sea urchin embryos. <i>Developmental Biology</i> , 1981, 85, 509-515.	0.9	33
24	An instructive role for the interstitial matrix in tissue patterning: tissue segregation and intercellular invasion.. <i>Journal of Cell Biology</i> , 1990, 110, 1439-1455.	2.3	32
25	THE EFFECTS OF $\hat{I}\pm 1,3$ -GLUCANS ON BLOOD COAGULATION AND AMEBOCYTE RELEASE IN THE HORSESHOE CRAB, <i>LIMULUS POLYPHEMUS</i> . <i>Biological Bulletin</i> , 1985, 169, 661-674.	0.7	31
26	Matrix metalloproteases of the developing sea urchin embryo. <i>Differentiation</i> , 1993, 54, 19-23.	1.0	31
27	Regulation of proliferation of embryonic heart mesenchyme; Role of transforming growth factor- $\hat{I}\pm 1$ and the interstitial matrix. <i>Developmental Biology</i> , 1990, 141, 421-425.	0.9	30
28	Penetration of the zona-free mouse egg by capacitated epididymal sperm: Cinemicrographic observations. <i>Gamete Research</i> , 1978, 1, 39-46.	1.7	28
29	Carbohydrate-binding component of amphibian embryo cell surfaces: Restriction to surface regions capable of cell adhesion. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1980, 77, 3460-3463.	3.3	27
30	In vitro phagocytosis by <i>Limulus</i> blood cells. <i>Journal of Invertebrate Pathology</i> , 1979, 34, 145-151.	1.5	26
31	Matrix metalloproteases of the developing sea urchin embryo. <i>Differentiation</i> , 1993, 54, 19-23.	1.0	26
32	Binding of $\hat{I}\pm 2$ -macroglobulin and limulin: regulation of the plasma haemolytic system of the American horseshoe crab, <i>Limulus</i> . <i>Biochemical Journal</i> , 2000, 347, 679-685.	1.7	26
33	Capture of Lipopolysaccharide (Endotoxin) by the Blood Clot: A Comparative Study. <i>PLoS ONE</i> , 2013, 8, e80192.	1.1	26
34	Proteinase inhibitory activity released from the horseshoe crab blood cell during exocytosis. <i>BBA - Proteins and Proteomics</i> , 1985, 827, 453-459.	2.1	25
35	On the role of metal cations in cellular adhesion: Cation specificity. <i>The Journal of Experimental Zoology</i> , 1968, 167, 275-282.	1.4	24
36	Histochemical evidence for lipid A (endotoxin) in eukaryote chloroplasts. <i>FASEB Journal</i> , 2006, 20, 2145-2146.	0.2	24

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37	Reversal of tissue position after cell sorting. <i>Developmental Biology</i> , 1972, 28, 518-527.	0.9	23
38	Time-lapse cinemicrographic studies of cell motility during morphogenesis of the embryonic yolk sac of <i>Fundulus heteroclitus</i> (Pisces: Teleosti). <i>Journal of Morphology</i> , 1980, 165, 13-29.	0.6	23
39	Fibroblast growth factor-2 stimulates embryonic cardiac mesenchymal cell proliferation. <i>Developmental Dynamics</i> , 1996, 206, 193-200.	0.8	23
40	Is abnormal limb bud morphology in the mutant <i>Talpid2</i> chick embryo a result of altered intercellular adhesion? Studies employing cell sorting and fragment fusion. <i>The Journal of Experimental Zoology</i> , 1972, 181, 17-32.	1.4	22
41	Are cells in solid tissues immobile? Mesonephric mesenchyme studied in vitro. <i>Developmental Biology</i> , 1973, 35, 187-209.	0.9	22
42	Imprisonment in a Death-Row Cell: The Fates of Microbes Entrapped in the <i>Limulus</i> Blood Clot. <i>Biological Bulletin</i> , 2003, 205, 203-204.	0.7	22
43	Cellular Positional Stability and Intercellular Invasion. <i>BioScience</i> , 1977, 27, 803-809.	2.2	21
44	Regional segregation of ConA receptors on dissociated amphibian embryo cells. <i>Experimental Cell Research</i> , 1979, 122, 23-29.	1.2	20
45	Sequence similarity between $\hat{I}\pm 2$ -macroglobulin from the horseshoe crab, <i>Limulus polyphemus</i> , and proteins of the $\hat{I}\pm 2$ -macroglobulin family from mammals. <i>Comparative Biochemistry and Physiology Part B: Comparative Biochemistry</i> , 1990, 96, 621-625.	0.2	19
46	Role of Endogenous Proteinase Inhibitors in the Regulation of the Blood Clotting System of the Horseshoe Crab, <i>Limulus Polyphemus</i> . <i>Thrombosis and Haemostasis</i> , 1984, 52, 117-120.	1.8	19
47	Thrombin stimulation of matrix fibronectin. <i>Journal of Cellular Physiology</i> , 1996, 166, 112-120.	2.0	18
48	Scanning electron microscopy of injection replicas of the chick embryo circulatory system. <i>Journal of Microscopy</i> , 1974, 102, 179-186.	0.8	17
49	Invertebrate $\gamma 2$ -Macroglobulin: Structure-Function and the Ancient Thiol Ester Bond. <i>Annals of the New York Academy of Sciences</i> , 1994, 712, 131-145.	1.8	17
50	The Decorated Clot: Binding of Agents of the Innate Immune System to the Fibrils of the <i>Limulus</i> Blood Clot. <i>Biological Bulletin</i> , 2003, 205, 201-203.	0.7	17
51	Crystal Structures of <i>Limulus</i> SAP-Like Pentraxin Reveal Two Molecular Aggregations. <i>Journal of Molecular Biology</i> , 2009, 386, 1240-1254.	2.0	17
52	Comparative Biology of the Pentraxin Protein Family: Evolutionarily Conserved Component of Innate Immune System. <i>International Review of Cell and Molecular Biology</i> , 2015, 316, 1-47.	1.6	17
53	Amphibian yolk platelet ultrastructure visualized by freeze-etching. <i>Journal of Ultrastructure Research</i> , 1972, 40, 1-24.	1.4	16
54	The effects of antimicrotubule agents on cell motility in fibroblast aggregates. <i>Experimental Cell Research</i> , 1979, 120, 359-364.	1.2	15

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55	Epithelial immunity in a marine invertebrate: a cytolytic activity from a cuticular secretion of the American horseshoe crab, <i>Limulus polyphemus</i> . <i>Marine Biology</i> , 2008, 153, 1165-1171.	0.7	15
56	Localization of Carbohydrate Attachment Sites and Disulfide Bridges in <i>Limulus</i> $\beta$ -2-Macroglobulin. <i>Journal of Biological Chemistry</i> , 2002, 277, 43698-43706.	1.6	14
57	Modulation of tissue affinities of cardiac myocyte aggregates by mesenchyme. <i>Developmental Biology</i> , 1978, 64, 60-72.	0.9	13
58	Membrane pore formation by pentraxin proteins from <i>Limulus</i> , the American horseshoe crab. <i>Biochemical Journal</i> , 2008, 413, 305-313.	1.7	13
59	Scanning electron microscopy of the chick embryo. <i>Developmental Biology</i> , 1973, 33, 457-462.	0.9	12
60	Localisation of the major reactive lysine residue involved in the selfcrosslinking of proteinase-activated <i>Limulus</i> $\beta$ -2-macroglobulin. <i>FEBS Letters</i> , 1996, 393, 37-40.	1.3	12
61	AN ENDOPEPTIDASE INHIBITOR FOUND IN <i>Limulus</i> PLASMA: AN ANCIENT FORM OF $\beta$ -2-MACROGLOBULIN. <i>Annals of the New York Academy of Sciences</i> , 1983, 421, 119-124.	1.8	11
62	Binding of $\beta$ -2-macroglobulin and limulin: regulation of the plasma haemolytic system of the American horseshoe crab, <i>Limulus</i> . <i>Biochemical Journal</i> , 2000, 347, 679.	1.7	10
63	Initial characterization of a potential anti-fouling system in the American horseshoe crab, <i>Limulus polyphemus</i> . <i>Biological Bulletin</i> , 2000, 199, 189-190.	0.7	10
64	Immunohistochemical Demonstration of a Lipopolysaccharide in the Cell Wall of a Eukaryote, the Green Alga, <i>Chlorella</i> . <i>Biological Bulletin</i> , 2002, 203, 203-204.	0.7	10
65	Blood collection from the American Horseshoe Crab, <i>Limulus polyphemus</i> . <i>Journal of Visualized Experiments</i> , 2008, , .	0.2	10
66	A Role For Protease Inhibitors in Immunity of Long-Lived Animals. <i>Advances in Experimental Medicine and Biology</i> , 2001, 484, 141-160.	0.8	10
67	$\beta$ -( $\beta$ -glutamyl)lysine crosslinks in the blood clot of the horseshoe crab, <i>Limulus polyphemus</i> . <i>Biochemical and Biophysical Research Communications</i> , 1992, 188, 655-661.	1.0	9
68	Fibroblast behavior in the embryonic chick heart. <i>Developmental Dynamics</i> , 1993, 198, 97-107.	0.8	8
69	Response of the blood clotting system of the American horseshoe crab, <i>Limulus polyphemus</i> , to a novel form of lipopolysaccharide from a green alga. <i>Comparative Biochemistry and Physiology Part A, Molecular &amp; Integrative Physiology</i> , 2006, 144, 423-428.	0.8	8
70	Proteases are mitogenic to mesenchyme in vivo. <i>Experimental Cell Research</i> , 1979, 119, 317-326.	1.2	7
71	Bisdiamine inhibits extracellular matrix formation and cell proliferation of atrioventricular mesenchyme from developing chick heart valves. <i>Teratology</i> , 1999, 59, 148-155.	1.8	7
72	Response of the Blood Cell of the American Horseshoe Crab, <i>Limulus polyphemus</i> , to a Lipopolysaccharide-like Molecule from the Green Alga <i>Chlorella</i> . <i>Biological Bulletin</i> , 2001, 201, 246-247.	0.7	7

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73	A novel form of epithelial wound healing of the embryonic epidermis. <i>Experimental Cell Research</i> , 2006, 312, 2415-2423.	1.2	7
74	The role of the extracellular matrix in cell motility in fibroblast aggregates. <i>Cell Motility</i> , 1980, 1, 99-112.	1.9	6
75	?2M in the Horseshoe Crab A Structural and Functional Invertebrate Homologue. <i>Annals of the New York Academy of Sciences</i> , 1994, 737, 188-201.	1.8	6
76	Membrane activity of a C�reactive protein. <i>FEBS Letters</i> , 2009, 583, 1001-1005.	1.3	6
77	Invasiveness of Neutrophil Leukocytes. , 1980, , 131-147.		6
78	Comparison of Limulus �-Macroglobulin with Human �-2-Macroglobulin: Thiol Ester Characterization, Subunit Organization, and Conformational Change. <i>Archives of Biochemistry and Biophysics</i> , 1997, 337, 191-201.	1.4	5
79	Growth factor modulation of the extracellular matrix. <i>Experimental Cell Research</i> , 2003, 288, 235-245.	1.2	5
80	A Liposome-Permeating Activity From the Surface of the Carapace of the American Horseshoe Crab, <i>Limulus polyphemus</i> . <i>Biological Bulletin</i> , 2003, 205, 205-206.	0.7	4
81	Interaction of Pathogenic <i>Vibrio</i> Bacteria With the Blood Clot of the Pacific White Shrimp, <i>Litopenaeus vannamei</i> . <i>Biological Bulletin</i> , 2014, 226, 102-110.	0.7	4
82	Blood Clotting in <i>Limulus</i> Immunity: Physiological Impairment of Clot-Entrapped Bacteria. <i>Biological Bulletin</i> , 2004, 207, 172-172.	0.7	3
83	Association of alpha2-macroglobulin with the coagulin clot in the American horseshoe crab, <i>Limulus polyphemus</i> : a potential role in stabilization from proteolysis. <i>Biological Bulletin</i> , 2000, 199, 190-192.	0.7	2
84	A Ca+2-independent cytolytic system from the blood of the marine snail, <i>Busycon canaliculum</i> . <i>Biological Bulletin</i> , 2000, 199, 194-195.	0.7	1
85	Regulation of proliferation of the fetal myocardium. , 2000, 219, 226.		1
86	Histochemical Evidence for Lipopolysaccharide (Endotoxin) in Eukaryotes. <i>Biological Bulletin</i> , 2004, 207, 172-172.	0.7	0
87	Tissue Organizational Stability and Intercellular Invasion. <i>Novartis Foundation Symposium</i> , 1988, 141, 5-21.	1.2	0
88	Anatomical Beginnings: <i>Morphogenesis</i> . An Analysis of the Development of Biological Form. Edward F. Rossomando and Stephen Alexander, Eds. Dekker, New York, 1992. viii, 449 pp., illus. \$165.. <i>Science</i> , 1993, 260, 1011-1011.	6.0	0
89	Cell Adhesion: Leukocyte Adhesion Molecules . T. A. Springer, D. C. Anderson, A. S. Rosenthal, and R. Rothlein, Eds. Springer-Verlag, New York, 1990. xvi, 287 pp., illus. \$84. From a conference, Titisee, F.R.G., Sept.-Oct. 1988.. <i>Science</i> , 1990, 248, 1141-1141.	6.0	0
90	Cell Adhesion: <i>Leukocyte Adhesion Molecules</i> . T. A. Springer, D. C. Anderson, A. S. Rosenthal, and R. Rothlein, Eds. Springer-Verlag, New York, 1990. xvi, 287 pp., illus. \$84. From a conference, Titisee, F.R.G., Sept.-Oct. 1988.. <i>Science</i> , 1990, 248, 1141-1141.	6.0	0

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91	Anatomical Beginnings: <i>Morphogenesis</i> . An Analysis of the Development of Biological Form. Edward F. Rossomando and Stephen Alexander, Eds. Dekker, New York, 1992. viii, 449 pp., illus. \$165.. Science, 1993, 260, 1011-1011.	6.0	0