Hediye Erdjument-Bromage

List of Articles by Year
in descending order

259 peer-reviewed articles	58,728 peer-reviewed citations	667 121 peer-reviewed h-index	1068 238 g-index
279 documents	75045 doc citations	777 129 h-index	100829 citing authors

#	Article	IF	Citations
1	Proteomic profiling of interferonâ€responsive reactive astrocytes in rodent and human. Glia, 2024, 72, 625-642.	5.0	31
2	The BAP1 nuclear deubiquitinase is involved in the nonhomologous end-joining pathway of double-strand DNA repair through interaction with DNA-PK. Oncogene, 2024, 43, 1087-1097.	6.5	8
3	Modulation of GPR133 (ADGRD1) signaling by its intracellular interaction partner extended synaptotagmin 1. Cell Reports, 2024, 43, 114229.	6.3	3
4	Phosphorylation-driven epichaperome assembly is a regulator of cellular adaptability and proliferation. Nature Communications, 2024, 15, .	13.7	23
5	Structures of LRP2 reveal a molecular machine for endocytosis. Cell, 2023, 186, 821-836.e13.	33.7	64
6	Cocaine perturbs mitovesicle biology in the brain. Journal of Extracellular Vesicles, 2023, 12, .	12.6	22
7	SIRT1 regulates DNA damage signaling through the PP4 phosphatase complex. Nucleic Acids Research, 2023, 51, 6754-6769.	15.5	26
8	Systems-level analyses of protein-protein interaction network dysfunctions via epichaperomics identify cancer-specific mechanisms of stress adaptation. Nature Communications, 2023, 14, .	13.7	41
9	PTK7 is a positive allosteric modulator of GPR133 signaling in glioblastoma. Cell Reports, 2023, 42, 112679.	6.3	15
10	Comparing synaptic proteomes across five mouse models for autism reveals converging molecular similarities including deficits in oxidative phosphorylation and Rho GTPase signaling. Frontiers in Aging Neuroscience, 2023, 15, .	4.0	14
11	Lysosomal dysfunction in Down syndrome and Alzheimer mouse models is caused by v-ATPase inhibition by Tyr 682 -phosphorylated APP Î²CTF. Science Advances, 2023, 9, .	10.9	62
12	Cardiolipin prolongs the lifetimes of respiratory proteins in Drosophila flight muscle. Journal of Biological Chemistry, 2023, 299, 105241.	2.2	5
13	Condensed Mitochondria Assemble Into the Acrosomal Matrix During Spermiogenesis. Frontiers in Cell and Developmental Biology, 2022, 10, .	3.6	16
14	Mitovesicles are a novel population of extracellular vesicles of mitochondrial origin altered in Down syndrome. Science Advances, 2021, 7, .	10.9	231
15	Age-dependent shift in the de novo proteome accompanies pathogenesis in an Alzheimerâ€™s disease mouse model. Communications Biology, 2021, 4, .	4.4	32
16	Cardiolipin remodeling enables protein crowding in the inner mitochondrial membrane. EMBO Journal, 2021, 40, .	7.4	52
17	Pharmacologically controlling protein-protein interactions through epichaperomes for therapeutic vulnerability in cancer. Communications Biology, 2021, 4, .	4.4	21
18	Lipidome-wide 13C flux analysis: a novel tool to estimate the turnover of lipids in organisms and cultures. Journal of Lipid Research, 2020, 61, 95-104.	3.7	24

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19	Molecular Stressors Engender Protein Connectivity Dysfunction through Aberrant N-Glycosylation of a Chaperone. Cell Reports, 2020, 31, 107840.	6.3	57
20	The epichaperome is a mediator of toxic hippocampal stress and leads to protein connectivity-based dysfunction. Nature Communications, 2020, 11, .	13.7	70
21	Molecular basis for receptor tyrosine kinase A-loop tyrosine transphosphorylation. Nature Chemical Biology, 2020, 16, 267-277.	11.8	50
22	Haploinsufficiency in the ANKS1B gene encoding AIDA-1 leads to a neurodevelopmental syndrome. Nature Communications, 2019, 10, .	13.7	35
23	PINK1 Content in Mitochondria is Regulated by ER-Associated Degradation. Journal of Neuroscience, 2019, 39, 7074-7085.	3.7	66
24	CSIG-21. DE-ORPHANIZING GPR133 - AN ADHESION GPCR REQUIRED FOR GLIOBLASTOMA PROGRESSION. Neuro-Oncology, 2019, 21, vi48-vi48.	1.0	0
25	A glucose-sensing neuron pair regulates insulin and glucagon in Drosophila. Nature, 2019, 574, 559-564.	38.0	172
26	HSP90-incorporating chaperome networks as biosensor for disease-related pathways in patient-specific midbrain dopamine neurons. Nature Communications, 2018, 9, .	13.7	53
27	Inhibition of Hsp90 Suppresses PI3K/AKT/mTOR Signaling and Has Antitumor Activity in Burkitt Lymphoma. Molecular Cancer Therapeutics, 2017, 16, 1779-1790.	1.9	82
28	Unique Transcriptional Programs Identify Subtypes of AKI. Journal of the American Society of Nephrology: JASN, 2017, 28, 1729-1740.	0.4	111
29	A novel requirement for DROSHA in maintenance of mammalian CG methylation. Nucleic Acids Research, 2017, 45, 9810-9810.	15.5	7
30	A novel requirement for DROSHA in maintenance of mammalian CG methylation. Nucleic Acids Research, 2017, 45, 9398-9412.	15.5	9
31	EGFR feedback-inhibition by Ran-binding protein 6 is disrupted in cancer. Nature Communications, 2017, 8, .	13.7	36
32	Sex-Specific Differences in Oxytocin Receptor Expression and Function for Parental Behavior. Gender and the Genome, 2017, 1, 1-25.	0.4	15
33	N-Terminal Amino Acid Sequence Determination of Proteins by N-Terminal Dimethyl Labeling: Pitfalls and Advantages When Compared with Edman Degradation Sequence Analysis. Journal of Biomolecular Techniques, 2016, 27, 61-74.	0.6	12
34	The epichaperome is an integrated chaperome network that facilitates tumour survival. Nature, 2016, 538, 397-401.	38.0	292
35	Targeting the Hsp90 Oncoproteome in Burkitt Lymphoma. Blood, 2015, 126, 592-592.	4.2	0
36	The Histone Variant MacroH2A1 Regulates Target Gene Expression in Part by Recruiting the Transcriptional Coregulator PELP1. Molecular and Cellular Biology, 2014, 34, 2437-2449.	2.5	23

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37	Aminopeptidase activities as prospective urinary biomarkers for bladder cancer. Proteomics - Clinical Applications, 2014, 8, 317-326.	2.3	15
38	Merlin/NF2 Loss-Driven Tumorigenesis Linked to CRL4DCAF1-Mediated Inhibition of the Hippo Pathway Kinases Lats1 and 2 in the Nucleus. Cancer Cell, 2014, 26, 48-60.	33.1	223
39	Affinity Purification Probes of Potential Use To Investigate the Endogenous Hsp70 Interactome in Cancer. ACS Chemical Biology, 2014, 9, 1698-1705.	3.7	25
40	Identification of an Allosteric Pocket on Human Hsp70 Reveals a Mode of Inhibition of This Therapeutically Important Protein. Chemistry and Biology, 2013, 20, 1469-1480.	4.7	99
41	PRMT4 Blocks Myeloid Differentiation by Assembling a Methyl-RUNX1-Dependent Repressor Complex. Cell Reports, 2013, 5, 1625-1638.	6.3	96
42	Proteasome-Mediated Processing of Def1, a Critical Step in the Cellular Response to Transcription Stress. Cell, 2013, 154, 983-995.	33.7	84
43	High-level expression of a full-length Eph receptor. Protein Expression and Purification, 2013, 92, 112-118.	1.2	11
44	USP49 deubiquitinates histone H2B and regulates cotranscriptional pre-mRNA splicing. Genes and Development, 2013, 27, 1581-1595.	4.6	93
45	Targeting the Hsp90-associated viral oncoproteome in gammaherpesvirus-associated malignancies. Blood, 2013, 122, 2837-2847.	4.2	73
46	The Novel Ubiquitin Ligase Complex, SCFFbxw4, Interacts with the COP9 Signalosome in an F-Box Dependent Manner, Is Mutated, Lost and Under-Expressed in Human Cancers. PLoS ONE, 2013, 8, e63610.	2.3	28
47	TRIM3, a tumor suppressor linked to regulation of p21Waf1/Cip1. Oncogene, 2013, 33, 308-315.	6.5	55
48	LRPPRC is necessary for polyadenylation and coordination of translation of mitochondrial mRNAs. EMBO Journal, 2012, 31, 443-456.	7.4	322
49	Ubiquitination, localization, and stability of an anti-apoptotic BCL2-like protein, BCL2L10/BCLb, are regulated by Ubiquilin1. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, .	7.5	65
50	The overlapping host responses to bacterial cyclic dinucleotides. Microbes and Infection, 2012, 14, 188-197.	2.4	26
51	Architecture of the Mediator head module. Nature, 2011, 475, 240-243.	38.0	110
52	MTERF4 Regulates Translation by Targeting the Methyltransferase NSUN4 to the Mammalian Mitochondrial Ribosome. Cell Metabolism, 2011, 13, 527-539.	25.2	258
53	L3MBTL2 Protein Acts in Concert with PcG Protein-Mediated Monoubiquitination of H2A to Establish a Repressive Chromatin Structure. Molecular Cell, 2011, 42, 438-450.	13.3	138
54	TLR signalling augments macrophage bactericidal activity through mitochondrial ROS. Nature, 2011, 472, 476-480.	38.0	1,562

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55	PRC2 Complexes with JARID2, MTF2, and esPRC2p48 in ES Cells to Modulate ES Cell Pluripotency and Somatic Cell Reprograming. Stem Cells, 2011, 29, 229-240.	3.2	149
56	A Semisynthetic Eph Receptor Tyrosine Kinase Provides Insight into Ligand- Induced Kinase Activation. Chemistry and Biology, 2011, 18, 361-371.	4.7	32
57	Composition of yeast snRNPs and snoRNPs in the absence of trimethylguanosine caps reveals nuclear cap binding protein as a gained U1 component implicated in the cold-sensitivity of tgs1Î" cells. Nucleic Acids Research, 2011, 39, 6715-6728.	15.5	32
58	Bromodomain protein 7 interacts with PRMT5 and PRC2, and is involved in transcriptional repression of their target genes. Nucleic Acids Research, 2011, 39, 5424-5438.	15.5	81
59	Fas-associated Death Domain (FADD) and the E3 Ubiquitin-Protein Ligase TRIM21 Interact to Negatively Regulate Virus-induced Interferon Production. Journal of Biological Chemistry, 2011, 286, 6521-6531.	2.2	67
60	Superoxide dismutase 1 (SOD1) is a target for a small molecule identified in a screen for inhibitors of the growth of lung adenocarcinoma cell lines. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 16375-16380.	7.5	154
61	Affinity-based proteomics reveal cancer-specific networks coordinated by Hsp90. Nature Chemical Biology, 2011, 7, 818-826.	11.8	257
62	SETDB1 Is Involved in Postembryonic DNA Methylation and Gene Silencing in Drosophila. PLoS ONE, 2010, 5, e10581.	2.3	22
63	Merlin/NF2 Suppresses Tumorigenesis by Inhibiting the E3 Ubiquitin Ligase CRL4DCAF1 in the Nucleus. Cell, 2010, 140, 477-490.	33.7	314
64	Processing of autophagic protein LC3 by the 20S proteasome. Autophagy, 2010, 6, 126-137.	13.7	95
65	Heterogeneous Nuclear Ribonucleoprotein L Is a Subunit of Human KMT3a/Set2 Complex Required for H3 Lys-36 Trimethylation Activity in Vivo. Journal of Biological Chemistry, 2009, 284, 15701-15707.	2.2	108
66	The H3K4 Demethylase Lid Associates with and Inhibits Histone Deacetylase Rpd3. Molecular and Cellular Biology, 2009, 29, 1401-1410.	2.5	71
67	MTERF2 is a nucleoid component in mammalian mitochondria. Biochimica Et Biophysica Acta - Bioenergetics, 2009, 1787, 296-302.	0.9	75
68	Phosphorylation-dependent regulation of cytosolic localization and oncogenic function of Skp2 by Akt/PKB. Nature Cell Biology, 2009, 11, 420-432.	16.3	226
69	Ubiquitin Ligase Nedd4L Targets Activated Smad2/3 to Limit TGF-Î² Signaling. Molecular Cell, 2009, 36, 457-468.	13.3	363
70	Molecular characterization and intracellular distribution of the alpha 5 subunit of Trypanosoma cruzi 20S proteasome. Parasitology International, 2009, 58, 367-374.	1.6	14
71	PRDM16 controls a brown fat/skeletal muscle switch. Nature, 2008, 454, 961-967.	38.0	2,207
72	The HSA domain binds nuclear actin-related proteins to regulate chromatin-remodeling ATPases. Nature Structural and Molecular Biology, 2008, 15, 469-476.	8.8	195

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73	Reversal of RNA Polymerase II Ubiquitylation by the Ubiquitin Protease Ubp3. Molecular Cell, 2008, 30, 498-506.	13.3	63
74	Regulation of the brown and white fat gene programs through a PRDM16/CtBP transcriptional complex. Genes and Development, 2008, 22, 1397-1409.	4.6	438
75	JAMP Optimizes ERAD to Protect Cells from Unfolded Proteins. Molecular Biology of the Cell, 2008, 19, 5019-5028.	2.5	15
76	Methylation of RUNX1 by PRMT1 abrogates SIN3A binding and potentiates its transcriptional activity. Genes and Development, 2008, 22, 640-653.	4.6	174
77	HDAC6 is a specific deacetylase of peroxiredoxins and is involved in redox regulation. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 9633-9638.	7.5	311
78	Role of hPHF1 in H3K27 Methylation and Hox Gene Silencing. Molecular and Cellular Biology, 2008, 28, 1862-1872.	2.5	162
79	WSTF regulates the H2A.X DNA damage response via a novel tyrosine kinase activity. Nature, 2008, 457, 57-62.	38.0	389
80	Demethylation of Histone H3K36 and H3K9 by Rph1: a Vestige of an H3K9 Methylation System in Saccharomyces cerevisiae ?. Molecular and Cellular Biology, 2007, 27, 3951-3961.	2.5	83
81	Ubiquitylation of histone H2B controls RNA polymerase II transcription elongation independently of histone H3 methylation. Genes and Development, 2007, 21, 835-847.	4.6	148
82	Myoferlin Regulates Vascular Endothelial Growth Factor Receptor-2 Stability and Function. Journal of Biological Chemistry, 2007, 282, 30745-30753.	2.2	113
83	Phosphorylation of Thyroid Hormone Receptor-associated Nuclear Receptor Corepressor Holocomplex by the DNA-dependent Protein Kinase Enhances Its Histone Deacetylase Activity. Journal of Biological Chemistry, 2007, 282, 9312-9322.	2.2	37
84	Genome-Wide Dynamics of SAPHIRE, an Essential Complex for Gene Activation and Chromatin Boundaries. Molecular and Cellular Biology, 2007, 27, 4058-4069.	2.5	25
85	NEDD4-1 Is a Proto-Oncogenic Ubiquitin Ligase for PTEN. Cell, 2007, 128, 129-139.	33.7	676
86	Ubiquitination Regulates PTEN Nuclear Import and Tumor Suppression. Cell, 2007, 128, 141-156.	33.7	698
87	Communication between Distant Sites in RNA Polymerase II through Ubiquitylation Factors and the Polymerase CTD. Cell, 2007, 129, 57-68.	33.7	66
88	The Retinoblastoma Binding Protein RBP2 Is an H3K4 Demethylase. Cell, 2007, 128, 889-900.	33.7	418
89	L3MBTL1, a Histone-Methylation-Dependent Chromatin Lock. Cell, 2007, 129, 915-928.	33.7	339
90	MTERF3 Is a Negative Regulator of Mammalian mtDNA Transcription. Cell, 2007, 130, 273-285.	33.7	232

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91	PLU-1 Is an H3K4 Demethylase Involved in Transcriptional Repression and Breast Cancer Cell Proliferation. Molecular Cell, 2007, 25, 801-812.	13.3	456
92	A Histone H2A Deubiquitinase Complex Coordinating Histone Acetylation and H1 Dissociation in Transcriptional Regulation. Molecular Cell, 2007, 27, 609-621.	13.3	294
93	Recognition of Trimethylated Histone H3 Lysine 4 Facilitates the Recruitment of Transcription Postinitiation Factors and Pre-mRNA Splicing. Molecular Cell, 2007, 28, 665-676.	13.3	518
94	The trithorax-group protein Lid is a histone H3 trimethyl-Lys4 demethylase. Nature Structural and Molecular Biology, 2007, 14, 341-343.	8.8	103
95	DNMT3L connects unmethylated lysine 4 of histone H3 to de novo methylation of DNA. Nature, 2007, 448, 714-717.	38.0	1,476
96	Regulation of cell cycle progression and gene expression by H2A deubiquitination. Nature, 2007, 449, 1068-1072.	38.0	294
97	SIRT1 regulates the histone methyl-transferase SUV39H1 during heterochromatin formation. Nature, 2007, 450, 440-444.	38.0	420
98	Differential exoprotease activities confer tumor-specific serum peptidome patterns. Journal of Clinical Investigation, 2006, 116, 271-284.	10.6	698
99	JHDM2A, a JmjC-Containing H3K9 Demethylase, Facilitates Transcription Activation by Androgen Receptor. Cell, 2006, 125, 483-495.	33.7	781
100	Hematopoiesis Controlled by Distinct TIF1Î³ and Smad4 Branches of the TGFÎ² Pathway. Cell, 2006, 125, 929-941.	33.7	361
101	A CK2-Dependent Mechanism for Degradation of the PML Tumor Suppressor. Cell, 2006, 126, 269-283.	33.7	279
102	Histone H3 and H4 Ubiquitylation by the CUL4-DDB-ROC1 Ubiquitin Ligase Facilitates Cellular Response to DNA Damage. Molecular Cell, 2006, 22, 383-394.	13.3	480
103	The transcriptional repressor JHDM3A demethylates trimethyl histone H3 lysineâ€‰9 and lysineâ€‰36. Nature, 2006, 442, 312-316.	38.0	591
104	Highly efficient selenomethionine labeling of recombinant proteins produced in mammalian cells. Protein Science, 2006, 15, 2008-2013.	5.9	42
105	The RSC Chromatin Remodeling Complex Bears an Essential Fungal-Specific Protein Module With Broad Functional Roles. Genetics, 2006, 172, 795-809.	4.2	63
106	Defects in energy homeostasis in Leigh syndrome French Canadian variant through PGC-1Â/LRP130 complex. Genes and Development, 2006, 20, 2996-3009.	4.6	94
107	Brd4 links chromatin targeting to HPV transcriptional silencing. Genes and Development, 2006, 20, 2383-2396.	4.6	204
108	BAFF controls B cell metabolic fitness through a PKCÎ²- and Akt-dependent mechanism. Journal of Experimental Medicine, 2006, 203, 2551-2562.	9.3	190

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110	Metazoan Scc4 Homologs Link Sister Chromatid Cohesion to Cell and Axon Migration Guidance. PLoS Biology, 2006, 4, e242.	5.0	98
111	The human PAF complex coordinates transcription with events downstream of RNA synthesis. Genes and Development, 2005, 19, 1668-1673.	4.6	219
112	Mycobacterium tuberculosis appears to lack Î±-ketoglutarate dehydrogenase and encodes pyruvate dehydrogenase in widely separated genes. Molecular Microbiology, 2005, 57, 859-868.	2.6	110
113	Adhesion signaling by a novel mitotic substrate of src kinases. Oncogene, 2005, 24, 5333-5343.	6.5	130
114	Physical and Functional Interaction between Elongator and the Chromatin-associated Kti12 Protein. Journal of Biological Chemistry, 2005, 280, 19454-19460.	2.2	34
115	S-nitroso proteome of Mycobacterium tuberculosis: Enzymes of intermediary metabolism and antioxidant defense. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 467-472.	7.5	175
116	The Histone Chaperone TAF-I/SET/INHAT Is Required for Transcription In Vitro of Chromatin Templates. Molecular and Cellular Biology, 2005, 25, 797-807.	2.5	65
117	PARP-1 Determines Specificity in a Retinoid Signaling Pathway via Direct Modulation of Mediator. Molecular Cell, 2005, 18, 83-96.	13.3	213
118	Monoubiquitination of Human Histone H2B: The Factors Involved and Their Roles in HOX Gene Regulation. Molecular Cell, 2005, 20, 601-611.	13.3	471
119	A Direct Interaction between the RAG2 C Terminus and the Core Histones Is Required for Efficient V(D)J Recombination. Immunity, 2005, 23, 203-212.	22.6	60
120	Phosphorylation and Functional Inactivation of TSC2 by Erk. Cell, 2005, 121, 179-193.	33.7	1,207
121	Multiple Mechanisms Confining RNA Polymerase II Ubiquitylation to Polymerases Undergoing Transcriptional Arrest. Cell, 2005, 121, 913-923.	33.7	209
122	The Drosophila Fragile X Protein Functions as a Negative Regulator in the orb Autoregulatory Pathway. Developmental Cell, 2005, 8, 331-342.	7.7	100
123	Histone demethylation by a family of JmjC domain-containing proteins. Nature, 2005, 439, 811-816.	38.0	2,040
124	Regulation of 2-Oxoglutarate (Î±-Ketoglutarate) Dehydrogenase Stability by the RING Finger Ubiquitin Ligase Siah. Journal of Biological Chemistry, 2004, 279, 53782-53788.	2.2	52
125	Mutual Targeting of Mediator and the TFIIH Kinase Kin28. Journal of Biological Chemistry, 2004, 279, 29114-29120.	2.2	42
126	The Yaf9 Component of the SWR1 and NuA4 Complexes Is Required for Proper Gene Expression, Histone H4 Acetylation, and Htz1 Replacement near Telomeres. Molecular and Cellular Biology, 2004, 24, 9424-9436.	2.5	103

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129	Human SWI/SNF-Associated PRMT5 Methylates Histone H3 Arginine 8 and Negatively Regulates Expression of ST7 and NM23 Tumor Suppressor Genes. Molecular and Cellular Biology, 2004, 24, 9630-9645.	2.5	565
130	A new role for Nogo as a regulator of vascular remodeling. Nature Medicine, 2004, 10, 382-388.	33.0	231
131	Tandem bromodomains in the chromatin remodeler RSC recognize acetylated histone H3 Lys14. EMBO Journal, 2004, 23, 1348-1359.	7.4	220
132	Cleavage and proteasome-mediated degradation of the basal transcription factor TFIIA. EMBO Journal, 2004, 23, 3083-3091.	7.4	23
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134	Suppression of mitochondrial respiration through recruitment of p160 myb binding protein to PGC-1Â: modulation by p38 MAPK. Genes and Development, 2004, 18, 278-289.	4.6	280
135	Siah2 Regulates Stability of Prolyl-Hydroxylases, Controls HIF1Î± Abundance, and Modulates Physiological Responses to Hypoxia. Cell, 2004, 117, 941-952.	33.7	397
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139	The budding yeast Rad9 checkpoint complex: chaperone proteins are required for its function. EMBO Reports, 2003, 4, 953-958.	5.2	25
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147	Parkinson's Disease-associated Î±-Synuclein Is a Calmodulin Substrate. Journal of Biological Chemistry, 2003, 278, 17379-17387.	2.2	92
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