Supriya D Mahajan

List of Publications by Year
in descending order

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		159585	197818
78	2,771	30	49
papers	citations	h-index	g-index

80	80	80	4057
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Nanotechnology approach for drug addiction therapy: Gene silencing using delivery of gold nanorod-siRNA nanoplex in dopaminergic neurons. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 5546-5550.	7.1	199
2	Anti-HIV-1 nanotherapeutics: promises and challenges for the future. International Journal of Nanomedicine, 2012, 7, 5301.	6.7	118
3	Methamphetamine alters blood brain barrier permeability via the modulation of tight junction expression: Implication for HIV-1 neuropathogenesis in the context of drug abuse. Brain Research, 2008, 1203, 133-148.	2.2	117
4	MMP-9 gene silencing by a quantum dotâ€“siRNA nanoplex delivery to maintain the integrity of the blood brain barrier. Brain Research, 2009, 1282, 142-155.	2.2	108
5	Preparation of Quantum Dot/Drug Nanoparticle Formulations for Traceable Targeted Delivery and Therapy. Theranostics, 2012, 2, 681-694.	10.0	106
6	Morphine Regulates Gene Expression of Î±- and Î²-Chemokines and Their Receptors on Astroglial Cells Via the Opioid Î¼ Receptor. Journal of Immunology, 2002, 169, 3589-3599.	0.8	105
7	Bioconjugated Quantum Rods as Targeted Probes for Efficient Transmigration Across an in Vitro Bloodâ€“Brain Barrier. Bioconjugate Chemistry, 2008, 19, 1179-1185.	3.6	103
8	Tight Junction Regulation by Morphine and HIV-1 Tat Modulates Bloodâ€“Brain Barrier Permeability. Journal of Clinical Immunology, 2008, 28, 528-541.	3.8	94
9	Enhancing the Delivery of Anti Retroviral Drug “Saquinavir” Across the Blood Brain Barrier Using Nanoparticles. Current HIV Research, 2010, 8, 396-404.	0.5	92
10	Morphine modulates chemokine gene regulation in normal human astrocytes. Clinical Immunology, 2005, 115, 323-332.	3.2	82
11	Theranostic quantum dots for crossing bloodâ€“brain barrier in vitro and providing therapy of HIV-associated encephalopathy. Frontiers in Pharmacology, 2013, 4, 140.	3.5	76
12	Neuroprotective effects of a biodegradable poly(lactic-co-glycolic acid)-ginsenoside Rg3 nanoformulation: a potential nanotherapy for Alzheimerâ€™s disease?. Journal of Drug Targeting, 2018, 26, 182-193.	4.4	62
13	Multifunctional Photonics Nanoparticles for Crossing the Bloodâ€“Brain Barrier and Effecting Optically Trackable Brain Theranostics. Advanced Functional Materials, 2016, 26, 7057-7066.	14.9	61
14	SARS-COV2 Alters Blood Brain Barrier Integrity Contributing to Neuro-Inflammation. Journal of NeuroImmune Pharmacology, 2021, 16, 4-6.	4.1	59
15	Morphine Exacerbates HIV-1 Viral Protein gp120 Induced Modulation of Chemokine Gene Expression in U373 Astrocytoma Cells. Current HIV Research, 2005, 3, 277-288.	0.5	56
16	C5a alters bloodâ€“brain barrier integrity in a human inÂvitro model of systemic lupus erythematosus. Immunology, 2015, 146, 130-143.	4.4	56
17	Cocaine Differentially Modulates Chemokine Production by Mononuclear Cells from Normal Donors and Human Immunodeficiency Virus Type 1-Infected Patients. Vaccine Journal, 2000, 7, 96-100.	2.6	54
18	Nanoparticle-Mediated Targeted Delivery of Antiretrovirals to the Brain. Methods in Enzymology, 2012, 509, 41-60.	1.0	53

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19	Genomic Analysis Highlights the Role of the JAK-STAT Signaling in the Anti-Proliferative Effects of Dietary Flavonoidâ€"â€ Ashwagandhaâ€™ in Prostate Cancer Cells. Evidence-based Complementary and Alternative Medicine, 2010, 7, 177-187.	1.2	51
20	Gold nanorodâ€"siRNA induces efficientin vivogene silencing in the rat hippocampus. Nanomedicine, 2011, 6, 617-630.	3.3	51
21	Immunomodulatory activities of curcumin-stabilized silver nanoparticles: Efficacy as an antiretroviral therapeutic. Immunological Investigations, 2017, 46, 833-846.	2.0	48
22	Effect of Maternal Malnutrition and Anemia on the Endocrine Regulation of Fetal Growth. Endocrine Research, 2004, 30, 189-203.	1.2	45
23	Methamphetamine Modulates Gene Expression Patterns in Monocyte Derived Mature Dendritic Cells. Molecular Diagnosis and Therapy, 2006, 10, 257-269.	3.8	45
24	Proteomic analyses of methamphetamine (METH)-induced differential protein expression by immature dendritic cells (IDC). Biochimica Et Biophysica Acta - Proteins and Proteomics, 2007, 1774, 433-442.	2.3	44
25	Mitochondrial Dynamics in SARS-COV2 Spike Protein Treated Human Microglia: Implications for Neuro-COVID. Journal of NeuroImmune Pharmacology, 2021, 16, 770-784.	4.1	37
26	Nanoparticle Based Galectin-1 Gene Silencing, Implications in Methamphetamine Regulation of HIV-1 Infection in Monocyte Derived Macrophages. Journal of NeuroImmune Pharmacology, 2012, 7, 673-685.	4.1	36
27	C5a induces caspaseâ€dependent apoptosis in brain vascular endothelial cells in experimental lupus. Immunology, 2016, 148, 407-419.	4.4	35
28	Methamphetamine Induces Apoptosis of Microglia via the Intrinsic Mitochondrial-Dependent Pathway. Journal of NeuroImmune Pharmacology, 2018, 13, 396-411.	4.1	34
29	Tissue inhibitor of metalloproteinase-1 modulates allergic lung inflammation in murine asthma. Clinical Immunology, 2009, 130, 186-198.	3.2	33
30	Morphine and Galectin-1 Modulate HIV-1 Infection of Human Monocyte-Derived Macrophages. Journal of Immunology, 2012, 188, 3757-3765.	0.8	33
31	Transmigration of Tetraspanin 2 (Tspan2) siRNA Via Microglia Derived Exosomes across the Blood Brain Barrier Modifies the Production of Immune Mediators by Microglia Cells. Journal of NeuroImmune Pharmacology, 2020, 15, 554-563.	4.1	33
32	Galectin-1 suppresses methamphetamine induced neuroinflammation in human brain microvascular endothelial cells: Neuroprotective role in maintaining blood brain barrier integrity. Brain Research, 2015, 1624, 175-187.	2.2	32
33	Immunological assays for chemokine detection in in-vitro culture of CNS cells. Biological Procedures Online, 2003, 5, 90-102.	2.9	31
34	Suppression of MMP-9 Expression in Brain Microvascular Endothelial Cells (BMVEC) Using a Gold Nanorod (GNR)-siRNA Nanoplex. Immunological Investigations, 2012, 41, 337-355.	2.0	27
35	Nutritional anaemia dysregulates endocrine control of fetal growth. British Journal of Nutrition, 2008, 100, 408-417.	2.3	26
36	Therapeutic Targeting of â€œDARPP-32â€• International Review of Neurobiology, 2009, 88, 199-222.	2.0	25

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37	Galectin-1 Reduces Neuroinflammation via Modulation of Nitric Oxide-Arginase Signaling in HIV-1 Transfected Microglia: a Gold Nanoparticle-Galectin-1 â€œNanoplexâ€•a Possible Neurotherapeutic?. Journal of NeuroImmune Pharmacology, 2017, 12, 133-151.	4.1	25
38	Nanotherapy silencing the interleukinâ€8 gene produces regression of prostate cancer by inhibition of angiogenesis. Immunology, 2016, 148, 387-406.	4.4	24
39	Multifunctional mesoporous curcumin encapsulated iron-phenanthroline nanocluster: A new Anti-HIV agent. Colloids and Surfaces B: Biointerfaces, 2019, 180, 289-297.	5.0	24
40	Role of chemokine and cytokine polymorphisms in the progression of HIV-1 disease. Biochemical and Biophysical Research Communications, 2010, 396, 348-352.	2.1	21
41	Thyroid Hormone Dysregulation in Intrauterine Growth Retardation Associated with Maternal Malnutrition and/or Anemia. Hormone and Metabolic Research, 2005, 37, 633-640.	1.5	20
42	Spectrum of central nervous system disorders in hospitalized HIV/AIDS patients (2009â€“2011) at a major HIV/AIDS referral center in Beijing, China. Journal of the Neurological Sciences, 2014, 342, 88-92.	0.6	20
43	Effector cell mediated cytotoxicity measured by intracellular Granzyme B release in HIV infected subjects. Biological Procedures Online, 2003, 5, 182-188.	2.9	18
44	Endocrine regulation in asymmetric intrauterine fetal growth retardation. Journal of Maternal-Fetal and Neonatal Medicine, 2006, 19, 615-623.	1.5	18
45	Gene Silencing of Human Neuronal Cells for Drug Addiction Therapy using Anisotropic Nanocrystals. Theranostics, 2012, 2, 695-704.	10.0	18
46	The Therapeutic Potential of Blocking Galectin-3 Expression in Acute Myocardial Infarction and Mitigating Inflammation of Infarct Region: A Clinical Outcome-Based Translational Study. Biomarker Insights, 2018, 13, 117727191877196.	2.5	17
47	Heroin-Induces Differential Protein Expression by Normal Human Astrocytes (NHA). American Journal of Infectious Diseases, 2006, 2, 49-57.	0.2	17
48	United States National Trends in Mortality, Length of Stay (LOS) and Associated Costs of Cognitive Impairment in HIV Population from 2005 to 2014. AIDS and Behavior, 2018, 22, 3198-3208.	2.7	16
49	Mitochondrial Dysfunction: A Prelude to Neuropathogenesis of SARS-CoV-2. ACS Chemical Neuroscience, 2022, 13, 308-312.	3.5	16
50	Proteomic Analyses of the Effects of Drugs of Abuse on Monocyte-Derived Mature Dendritic Cells. Immunological Investigations, 2009, 38, 526-550.	2.0	15
51	Nanotherapeutic Approach for Opiate Addiction Using DARPP-32 Gene Silencing in an Animal Model of Opiate Addiction. Journal of NeuroImmune Pharmacology, 2015, 10, 136-152.	4.1	14
52	Methamphetamine-induced apoptosis in glial cells examined under marker-free imaging modalities. Journal of Biomedical Optics, 2019, 24, 1.	2.6	14
53	Comparative phase imaging of live cells by digital holographic microscopy and transport of intensity equation methods. Optics Express, 2020, 28, 6123.	3.4	14
54	Laser ablation for pharmaceutical nanoformulations: Multi-drug nanoencapsulation and theranostics for HIV. Nanomedicine: Nanotechnology, Biology, and Medicine, 2020, 25, 102172.	3.3	13

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55	A cannabidiol-loaded Mg-gallate metalâ€“organic framework-based potential therapeutic for glioblastomas. Journal of Materials Chemistry B, 2021, 9, 2505-2514.	5.8	13
56	Neuropsychiatric Adverse Events During 12 Months of Treatment With Efavirenz in Treatment-NaÃ¯ve HIV-Infected Patients in China: A Prospective Cohort Study. Frontiers in Psychiatry, 2021, 12, 579448.	2.6	13
57	HIV Neuroinflammation: The Role of Exosomes in Cell Signaling, Prognostic and Diagnostic Biomarkers and Drug Delivery. Frontiers in Cell and Developmental Biology, 2021, 9, 637192.	3.7	13
58	Impact of Lopinavir/Ritonavir and Efavirenz-Based Antiretroviral Therapy on the Lipid Profile of Chinese HIV/AIDS Treatment-NaÃ¯ve Patients in Beijing: A Retrospective Study. Current HIV Research, 2019, 17, 324-334.	0.5	13
59	Neuroprotective role of galectin-1 in central nervous system pathophysiology. Neural Regeneration Research, 2016, 11, 896.	3.0	13
60	Local complement factor H protects kidney endothelial cell structure and function. Kidney International, 2021, 100, 824-836.	5.2	12
61	Curcumin-Pluronic Nanoparticles: A Theranostic Nanoformulation for Alzheimer's Disease. Critical Reviews in Biomedical Engineering, 2020, 48, 153-168.	0.9	11
62	Role of Galectinâ€3 in the pathophysiology underlying allergic lung inflammation in a tissue inhibitor of metalloproteinases 1 knockout model of murine asthma. Immunology, 2018, 153, 387-396.	4.4	10
63	Nanotherapeutics Using an HIV-1 Poly A and Transactivator of the HIV-1 LTR-(TAR-) Specific siRNA. Pathology Research International, 2011, 2011, 1-9.	1.4	9
64	Single nucleotide polymorphisms (SNPs) in key cytokines may modulate food allergy phenotypes. European Food Research and Technology, 2012, 235, 971-980.	3.3	9
65	Immunomodulatory Role of Complement Proteins in the Neuropathology Associated with Opiate Abuse and HIV-1 Co-Morbidity. Immunological Investigations, 2017, 46, 816-832.	2.0	9
66	Excretable, ultrasmall hexagonal NaGdF4:Yb50% nanoparticles for bimodal imaging and radiosensitization. Cancer Nanotechnology, 2021, 12, 4.	3.7	9
67	Small molecule based EGFR targeting of biodegradable nanoparticles containing temozolomide and Cy5 dye for greatly enhanced image-guided glioblastoma therapy. Nanomedicine: Nanotechnology, Biology, and Medicine, 2022, 41, 102513.	3.3	8
68	Use of Glycoproteinsâ€”Prostate-Specific Membrane Antigen and Galectin-3 as Primary Tumor Markers and Therapeutic Targets in the Management of Metastatic Prostate Cancer. Cancers, 2022, 14, 2704.	3.7	7
69	Effect of Dolutegravir and Sertraline on the Blood Brain Barrier (BBB). Journal of NeuroImmune Pharmacology, 2020, 15, 7-9.	4.1	5
70	Telomere Length Shortening in Microglia: Implication for Accelerated Senescence and Neurocognitive Deficits in HIV. Vaccines, 2021, 9, 721.	4.4	5
71	IL-17 Is a Key Regulator of Mucin-Galectin-3 Interactions in Asthma. International Journal of Cell Biology, 2021, 2021, 1-11.	2.5	4
72	Cardiac Morbidity in an HIV-1 Lipodystrophy Patient Cohort Expressing the TNF-α-238 G/A Single Nucleotide Gene Polymorphism. Current HIV Research, 2015, 13, 98-108.	0.5	4

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73	In-vitro studies of curcumin encapsulated mesoporous Fe-Phenanthroline nanocluster for reduction of amyloid Î² plaque. Journal of Drug Delivery Science and Technology, 2019, 54, 101314.	3.0	3
74	Blast-induced injury responsive relative gene expression of traumatic brain injury biomarkers in human brain microvascular endothelial cells. Brain Research, 2021, 1770, 147642.	2.2	3
75	Thirty-day unplanned readmission in hospitalised asthma patients in the USA. Postgraduate Medical Journal, 2022, 98, 830-836.	1.8	2
76	Nanotherapeutic Approach to Targeting HIV-1 in the CNS. , 2015, , 251-268.		1
77	Raman spectroscopy based molecular signatures of methamphetamine and HIV induced mitochondrial dysfunction. Biochemical and Biophysical Research Communications, 2022, 621, 116-121.	2.1	1
78	Successful Implementation of eRx Systems: Creating Technologyâ€“Organization Alignment using the Strategy-Map Approach. Information Systems Management, 2014, 31, 104-119.	5.7	0