

# Sudhanshu Joshi

## List of Publications by Year in descending order

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Version: 2024-02-01

440  
papers

8,938  
citations

66343

42  
h-index

118850

62  
g-index

451  
all docs

451  
docs citations

451  
times ranked

9929  
citing authors

#	ARTICLE	IF	CITATIONS
1	Structural Plasticity of the Hippocampus and Amygdala Induced by Electroconvulsive Therapy in Major Depression. <i>Biological Psychiatry</i> , 2016, 79, 282-292.	1.3	241
2	Modeling the internet of things adoption barriers in food retail supply chains. <i>Journal of Retailing and Consumer Services</i> , 2019, 48, 154-168.	9.4	210
3	Internet of Things (IoT) adoption barriers of smart citiesâ€™ waste management: An Indian context. <i>Journal of Cleaner Production</i> , 2020, 270, 122047.	9.3	140
4	Developing a framework for enhancing survivability of sustainable supply chains during and post-COVID-19 pandemic. <i>International Journal of Logistics Research and Applications</i> , 2022, 25, 433-453.	8.8	116
5	Industry 4.0 and the circular economy: Resource melioration in logistics. <i>Resources Policy</i> , 2020, 68, 101776.	9.6	115
6	Synthesis, characterization and molecular docking studies of substituted 4-coumarinylpyrano[2,3-c]pyrazole derivatives as potent antibacterial and anti-inflammatory agents. <i>European Journal of Medicinal Chemistry</i> , 2017, 125, 101-116.	5.5	112
7	Neurochemical correlates of rapid treatment response to electroconvulsive therapy in patients with major depression. <i>Journal of Psychiatry and Neuroscience</i> , 2017, 42, 6-16.	2.4	108
8	Assessing enablers of e-waste management in circular economy using DEMATEL method: An Indian perspective. <i>Environmental Science and Pollution Research</i> , 2020, 27, 13325-13338.	5.3	103
9	Mode I fracture toughness and fractographic investigation of carbon fibre composites with liquid Methylmethacrylate thermoplastic matrix. <i>Composites Part B: Engineering</i> , 2018, 134, 246-253.	12.0	94
10	Electroconvulsive therapy and structural neuroplasticity in neocortical, limbic and paralimbic cortex. <i>Translational Psychiatry</i> , 2016, 6, e832-e832.	4.8	91
11	Microdevice for plasma separation from whole human blood using bio-physical and geometrical effects. <i>Scientific Reports</i> , 2016, 6, 26749.	3.3	82
12	Synthesis, antimycobacterial screening and ligand-based molecular docking studies on novel pyrrole derivatives bearing pyrazoline, isoxazole and phenyl thiourea moieties. <i>European Journal of Medicinal Chemistry</i> , 2016, 107, 133-152.	5.5	79
13	Accelerating retail supply chain performance against pandemic disruption: adopting resilient strategies to mitigate the long-term effects. <i>Journal of Enterprise Information Management</i> , 2021, 34, 1844-1873.	7.5	76
14	Optimizing Polymer Infusion Process for Thin Ply Textile Composites with Novel Matrix System. <i>Materials</i> , 2017, 10, 293.	2.9	75
15	Effect of Electroconvulsive Therapy on Striatal Morphometry in Major Depressive Disorder. <i>Neuropsychopharmacology</i> , 2016, 41, 2481-2491.	5.4	74
16	Low-velocity impact response of carbon fibre composites with novel liquid Methylmethacrylate thermoplastic matrix. <i>Composite Structures</i> , 2018, 203, 696-708.	5.8	72
17	Progressive failure analysis of 2D woven composites at the meso-micro scale. <i>Composite Structures</i> , 2017, 178, 395-405.	5.8	69
18	Interaction of Hydralazine with Human Serum Albumin and Effect of Î²-Cyclodextrin on Binding: Insights from Spectroscopic and Molecular Docking Techniques. <i>Industrial &amp; Engineering Chemistry Research</i> , 2016, 55, 5454-5464.	3.7	68

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19	Enhanced vibration damping and dynamic mechanical characteristics of composites with novel pseudo-thermoset matrix system. <i>Composite Structures</i> , 2017, 179, 502-513.	5.8	68
20	Increased oxidative stress from early pregnancy in women who develop preeclampsia. <i>Clinical and Experimental Hypertension</i> , 2016, 38, 225-232.	1.3	66
21	Multiscale Polymer Composites: A Review of the Interlaminar Fracture Toughness Improvement. <i>Fibers</i> , 2017, 5, 38.	4.0	66
22	Synthesis of coumarin-theophylline hybrids as a new class of anti-tubercular and anti-microbial agents. <i>European Journal of Medicinal Chemistry</i> , 2018, 146, 747-756.	5.5	66
23	Tailoring columnar microstructure of axial suspension plasma sprayed TBCs for superior thermal shock performance. <i>Materials and Design</i> , 2018, 144, 192-208.	7.0	63
24	Coatings for Automotive Gray Cast Iron Brake Discs: A Review. <i>Coatings</i> , 2019, 9, 552.	2.6	60
25	Fronto-Temporal Connectivity Predicts ECT Outcome in Major Depression. <i>Frontiers in Psychiatry</i> , 2018, 9, 92.	2.6	58
26	Chlorine-induced high temperature corrosion of HVOF-sprayed Ni-based alumina and chromia forming coatings. <i>Corrosion Science</i> , 2018, 132, 170-184.	6.6	56
27	The impact of environmental dynamism on low-carbon practices and digital supply chain networks to enhance sustainable performance: An empirical analysis. <i>Business Strategy and the Environment</i> , 2022, 31, 1776-1788.	14.3	56
28	A Formulation Development Approach to Identify and Select Stable Ultra-High-Concentration Monoclonal Antibody Formulations With Reduced Viscosities. <i>Journal of Pharmaceutical Sciences</i> , 2017, 106, 3230-3241.	3.3	55
29	Superficial white matter damage in anti-NMDA receptor encephalitis. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2018, 89, 518-525.	1.9	55
30	Experimental visualization of microstructure evolution during suspension plasma spraying of thermal barrier coatings. <i>Journal of the European Ceramic Society</i> , 2019, 39, 470-481.	5.7	55
31	Axial suspension plasma spraying of Al <sub>2</sub> O <sub>3</sub> coatings for superior tribological properties. <i>Surface and Coatings Technology</i> , 2017, 315, 80-87.	4.8	54
32	The superficial white matter in Alzheimer's disease. <i>Human Brain Mapping</i> , 2016, 37, 1321-1334.	3.6	53
33	Sex-specific differences and developmental programming for diseases in later life. <i>Reproduction, Fertility and Development</i> , 2017, 29, 2085.	0.4	52
34	Microstructure and performance of cold sprayed Al-SiC composite coatings with high fraction of particulates. <i>Surface and Coatings Technology</i> , 2017, 318, 62-71.	4.8	52
35	Major Superficial White Matter Abnormalities in Huntington's Disease. <i>Frontiers in Neuroscience</i> , 2016, 10, 197.	2.8	51
36	Anti-Biofouling Properties of Femtosecond Laser-Induced Submicron Topographies on Elastomeric Surfaces. <i>Langmuir</i> , 2020, 36, 5349-5358.	3.5	50

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37	Maternal Fatty Acids and Their Association with Birth Outcome: A Prospective Study. PLoS ONE, 2016, 11, e0147359.	2.5	49
38	Novel insights into the effect of vitamin B12 and omega-3 fatty acids on brain function. Journal of Biomedical Science, 2016, 23, 17.	7.0	48
39	Short- and Long-term Cognitive Outcomes in Patients With Major Depression Treated With Electroconvulsive Therapy. Journal of ECT, 2017, 33, 278-285.	0.6	48
40	High performance broad band antireflective coatings using a facile synthesis of ink-bottle mesoporous MgF <sub>2</sub> nanoparticles for solar applications. Solar Energy Materials and Solar Cells, 2017, 159, 204-211.	6.2	48
41	One pot Click chemistry: A three component reaction for the synthesis of 2-mercaptobenzimidazole linked coumarinyl triazoles as anti-tubercular agents. Bioorganic and Medicinal Chemistry Letters, 2016, 26, 4709-4713.	2.2	46
42	Void growth and coalescence in hexagonal close packed crystals. Journal of the Mechanics and Physics of Solids, 2019, 125, 198-224.	4.8	46
43	Modulation of amygdala reactivity following rapidly acting interventions for major depression. Human Brain Mapping, 2020, 41, 1699-1710.	3.6	46
44	Three dimensional simulations of texture and triaxiality effects on the plasticity of magnesium alloys. Acta Materialia, 2017, 127, 54-72.	7.9	45
45	Ultra thin silicon wafer slicing using wire-EDM for solar cell application. Materials and Design, 2017, 124, 158-170.	7.0	45
46	Overcoming barriers to cross-sector collaboration in circular supply chain management: a multi-method approach. Transportation Research, Part E: Logistics and Transportation Review, 2022, 157, 102582.	7.4	45
47	Structural connectivity and response to ketamine therapy in major depression: A preliminary study. Journal of Affective Disorders, 2016, 190, 836-841.	4.1	44
48	Influence of KCl and HCl on high temperature corrosion of HVOF-sprayed NiCrAlY and NiCrMo coatings. Materials and Design, 2018, 148, 17-29.	7.0	44
49	Managing disruptions and risks amidst COVID-19 outbreaks: role of blockchain technology in developing resilient food supply chains. Operations Management Research, 2022, 15, 268-281.	8.5	44
50	Neural correlates of proactive and reactive aggression in adolescent twins. Aggressive Behavior, 2017, 43, 230-240.	2.4	44
51	Microstructure and wear behaviour of powder and suspension hybrid Al <sub>2</sub> O <sub>3</sub> -YSZ coatings. Ceramics International, 2018, 44, 8498-8504.	4.8	43
52	Function-dependent coating architectures by hybrid powder-suspension plasma spraying: Injector design, processing and concept validation. Materials and Design, 2018, 142, 56-65.	7.0	43
53	Microstructure modelling of laser metal powder directed energy deposition of alloy 718. Additive Manufacturing, 2019, 25, 357-364.	3.0	43
54	Mechanisms of Antidepressant Response to Electroconvulsive Therapy Studied With Perfusion Magnetic Resonance Imaging. Biological Psychiatry, 2019, 85, 466-476.	1.3	43

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55	Green, unexpected synthesis of bis-coumarin derivatives as potent anti-bacterial and anti-inflammatory agents. <i>European Journal of Medicinal Chemistry</i> , 2018, 143, 1744-1756.	5.5	42
56	Digital supplier selection reinforcing supply chain quality management systems to enhance firm's performance. <i>TQM Journal</i> , 2023, 35, 102-130.	3.3	42
57	Barriers to blockchain adoption in health-care industry: an Indian perspective. <i>Journal of Global Operations and Strategic Sourcing</i> , 2021, 14, 134-169.	4.6	42
58	Tetrazolylmethyl quinolines: Design, docking studies, synthesis, anticancer and antifungal analyses. <i>European Journal of Medicinal Chemistry</i> , 2017, 128, 258-273.	5.5	41
59	Novel quinoxaliny chalcone hybrid scaffolds as enoyl ACP reductase inhibitors: Synthesis, molecular docking and biological evaluation. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2017, 27, 2174-2180.	2.2	41
60	Flexural characteristics of novel carbon methylmethacrylate composites. <i>Composites Communications</i> , 2019, 13, 129-133.	6.3	41
61	Synthesis, characterization and antitubercular activities of novel pyrrolyl hydrazones and their Cu-complexes. <i>European Journal of Medicinal Chemistry</i> , 2016, 121, 21-39.	5.5	40
62	On plastic flow in notched hexagonal close packed single crystals. <i>Journal of the Mechanics and Physics of Solids</i> , 2016, 94, 273-297.	4.8	40
63	Chlorine-induced high-temperature corrosion and erosion-corrosion of HVOF and HVOF-sprayed amorphous Fe-based coatings. <i>Surface and Coatings Technology</i> , 2019, 371, 20-35.	4.8	40
64	High-Definition Mapping of Four Spatially Distinct Neutralizing Epitope Clusters on RiVax, a Candidate Ricin Toxin Subunit Vaccine. <i>Vaccine Journal</i> , 2017, 24, .	3.1	39
65	A Comparative Study of Machine Learning Techniques for Credit Card Fraud Detection Based on Time Variance. , 2018, , .		38
66	Desynchronization and Plasticity of Striato-frontal Connectivity in Major Depressive Disorder. <i>Cerebral Cortex</i> , 2016, 26, 4337-4346.	2.9	37
67	Machine learning on high dimensional shape data from subcortical brain surfaces: A comparison of feature selection and classification methods. <i>Pattern Recognition</i> , 2017, 63, 731-739.	8.1	37
68	Enhancing supply chain performance using RFID technology and decision support systems in the industry 4.0—A systematic literature review. <i>International Journal of Information Management Data Insights</i> , 2022, 2, 100084.	9.7	36
69	Binding interaction and conformational changes of human serum albumin with ranitidine studied by spectroscopic and time-resolved fluorescence methods. <i>Journal of the Iranian Chemical Society</i> , 2016, 13, 1325-1338.	2.2	35
70	Influence of Microstructure on Thermal Properties of Axial Suspension Plasma-Sprayed YSZ Thermal Barrier Coatings. <i>Journal of Thermal Spray Technology</i> , 2016, 25, 202-212.	3.1	35
71	Enhancing resiliency of perishable product supply chains in the context of the COVID-19 outbreak. <i>International Journal of Logistics Research and Applications</i> , 2022, 25, 1219-1243.	8.8	35
72	Issues and solutions of electronic waste urban mining for circular economy transition: An Indian context. <i>Journal of Environmental Management</i> , 2021, 290, 112373.	7.8	35

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73	Constituent materials micro-damage modeling in predicting progressive failure of braided fiber composites. Composite Structures, 2016, 145, 194-202.	5.8	34
74	Role of neurotrophins in pregnancy and offspring brain development. Neuropeptides, 2020, 83, 102075.	2.2	34
75	The extracellular role of DNA damage repair protein APE1 in regulation of IL-6 expression. Cellular Signalling, 2017, 39, 18-31.	3.6	33
76	Digital technologies (DT) adoption in agri-food supply chains amidst COVID-19: an approach towards food security concerns in developing countries. Journal of Global Operations and Strategic Sourcing, 2022, 15, 262-282.	4.6	33
77	Effect of Heat Treatment on Mechanical Properties and Corrosion Performance of Cold-Sprayed Tantalum Coatings. Journal of Thermal Spray Technology, 2016, 25, 745-756.	3.1	32
78	Promoter Hypomethylation and Expression Is Conserved in Mouse Chronic Lymphocytic Leukemia Induced by Decreased or Inactivated Dnmt3a. Cell Reports, 2016, 15, 1190-1201.	6.4	32
79	Modeling of temperature distribution in drilling of titanium. International Journal of Mechanical Sciences, 2017, 133, 598-610.	6.7	32
80	Influence of Isothermal Heat Treatment on Porosity and Crystallite Size in Axial Suspension Plasma Sprayed Thermal Barrier Coatings for Gas Turbine Applications. Coatings, 2017, 7, 4.	2.6	32
81	Effect of Different Post-treatments on the Microstructure of EBM-Built Alloy 718. Journal of Materials Engineering and Performance, 2019, 28, 673-680.	2.5	32
82	Effect of pressure and temperature on densification, microstructure and mechanical properties of spark plasma sintered silicon carbide processed with $\text{Si}^2$ -silicon carbide nanopowder and sintering additives. Ceramics International, 2016, 42, 3836-3848.	4.8	31
83	Microstructural response of various chromium carbide based coatings to erosion and nano impact testing. Wear, 2017, 386-387, 72-79.	3.1	31
84	Correlation of splat state with deposition characteristics of cold sprayed niobium coatings. Acta Materialia, 2017, 130, 177-195.	7.9	31
85	Placental Proteomics Provides Insights into Pathophysiology of Pre-Eclampsia and Predicts Possible Markers in Plasma. Journal of Proteome Research, 2017, 16, 1050-1060.	3.7	31
86	3,4-Dihydropyrimidinone-coumarin analogues as a new class of selective agent against S. aureus : Synthesis, biological evaluation and molecular modelling study. Bioorganic and Medicinal Chemistry, 2017, 25, 1413-1422.	3.0	31
87	Analytical Comparability Assessments of 5 Recombinant CRM 197 Proteins From Different Manufacturers and Expression Systems. Journal of Pharmaceutical Sciences, 2018, 107, 1806-1819.	3.3	31
88	Sustainable Agri-food Supply Chain Practices: Few Empirical Evidences from a Developing Economy. Global Business Review, 2023, 24, 451-474.	3.1	31
89	Implementing challenges of artificial intelligence: Evidence from public manufacturing sector of an emerging economy. Government Information Quarterly, 2022, 39, 101624.	6.8	31
90	Neurotrophins. Vitamins and Hormones, 2017, 104, 243-261.	1.7	30

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91	Liquid Feedstock Plasma Spraying: An Emerging Process for Advanced Thermal Barrier Coatings. Journal of Thermal Spray Technology, 2017, 26, 1104-1114.	3.1	30
92	Investigating the expression of <i>MMPs</i> and <i>TIMPs</i> in preterm placenta and role of CpG methylation in regulating <i>MMP-9</i> expression. IUBMB Life, 2017, 69, 985-993.	3.4	30
93	Experimental and Microscopic Investigation on Mechanical Performance of Textile Spread-tow Thin Ply Composites. Fibers and Polymers, 2019, 20, 1036-1045.	2.1	30
94	Pan-Cancer Analysis Reveals the Diverse Landscape of Novel Sense and Antisense Fusion Transcripts. Molecular Therapy - Nucleic Acids, 2020, 19, 1379-1398.	5.1	30
95	A Micro“Polyethylene Glycol Precipitation Assay as a Relative Solubility Screening Tool for Monoclonal Antibody Design and Formulation Development. Journal of Pharmaceutical Sciences, 2016, 105, 2319-2327.	3.3	29
96	Maternal long chain polyunsaturated fatty acid status and pregnancy complications. Prostaglandins Leukotrienes and Essential Fatty Acids, 2018, 136, 143-152.	2.2	29
97	Maternal one carbon metabolism through increased oxidative stress and disturbed angiogenesis can influence placental apoptosis in preeclampsia. Life Sciences, 2018, 206, 61-69.	4.3	29
98	Exploiting Suspension Plasma Spraying to Deposit Wear-Resistant Carbide Coatings. Materials, 2019, 12, 2344.	2.9	29
99	High-Temperature Corrosion of HVOF-Sprayed Ni-Based Coatings for Boiler Applications. Oxidation of Metals, 2019, 91, 729-747.	2.1	29
100	Brand sustainability among young consumers: an AHP-TOPSIS approach. Young Consumers, 2019, 20, 314-337.	3.5	29
101	Predicting textural variability effects in the anisotropic plasticity and stability of hexagonal metals: Application to magnesium and its alloys. International Journal of Plasticity, 2020, 132, 102762.	8.8	29
102	Analysing the impact of sustainable human resource management practices and industry 4.0 technologies adoption on employability skills. International Journal of Manpower, 2022, 43, 463-485.	4.4	29
103	Correlating the Effects of Antimicrobial Preservatives on Conformational Stability, Aggregation Propensity, and Backbone Flexibility of an IgG1 mAb. Journal of Pharmaceutical Sciences, 2017, 106, 1508-1518.	3.3	28
104	Experimental investigation on spring-back deformation during autoclave curing of parabolic antenna reflectors. Composites Part A: Applied Science and Manufacturing, 2018, 115, 134-146.	7.6	28
105	Altered breast milk components in preeclampsia; An in-vitro proton NMR spectroscopy study. Clinica Chimica Acta, 2016, 463, 75-83.	1.1	27
106	Production, Characterization, and Biological Evaluation of Well-Defined IgG1 Fc Glycoforms as a Model System for Biosimilarity Analysis. Journal of Pharmaceutical Sciences, 2016, 105, 559-574.	3.3	27
107	Design and synthesis of novel phenyl -1, 4-beta-carboline-hybrid molecules as potential anticancer agents. European Journal of Medicinal Chemistry, 2017, 128, 123-139.	5.5	27
108	Analytical Simulation of Random Textures Generated in Electrical Discharge Texturing. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2017, 139, .	2.2	27



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109	Single and repeated ketamine treatment induces perfusion changes in sensory and limbic networks in major depressive disorder. <i>European Neuropsychopharmacology</i> , 2020, 33, 89-100.	0.7	27
110	KCl-Induced High-Temperature Corrosion Behavior of HVOF-Sprayed Ni-Based Coatings in Ambient Air. <i>Journal of Thermal Spray Technology</i> , 2018, 27, 500-511.	3.1	26
111	Hot corrosion behavior of plasma sprayed powder-solution precursor hybrid thermal barrier coatings. <i>Surface and Coatings Technology</i> , 2018, 349, 452-461.	4.8	26
112	Preformulation Characterization and Stability Assessments of Secretory IgA Monoclonal Antibodies as Potential Candidates for Passive Immunization by Oral Administration. <i>Journal of Pharmaceutical Sciences</i> , 2020, 109, 407-421.	3.3	26
113	Altered development and function of the placental regions in preeclampsia and its association with long-chain polyunsaturated fatty acids. <i>Wiley Interdisciplinary Reviews: Developmental Biology</i> , 2016, 5, 582-597.	5.9	25
114	Supplementation of maternal omega-3 fatty acids to pregnancy induced hypertension Wistar rats improves IL10 and VEGF levels. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 2016, 104, 25-32.	2.2	25
115	High temperature stable solar selective coatings by cathodic arc PVD for heat collecting elements. <i>Solar Energy Materials and Solar Cells</i> , 2016, 145, 447-453.	6.2	25
116	Mechanical and vibration response of insulated hybrid composites. <i>Journal of Industrial Textiles</i> , 2018, 47, 1887-1907.	2.4	25
117	VEGF and VEGFR1 levels in different regions of the normal and preeclampsia placentae. <i>Molecular and Cellular Biochemistry</i> , 2018, 438, 141-152.	3.1	25
118	Social network analysis in smart tourism driven service distribution channels: evidence from tourism supply chain of Uttarakhand, India. <i>International Journal of Digital Culture and Electronic Tourism</i> , 2018, 2, 255.	0.2	25
119	Physical Characterization and Stabilization of a Lentiviral Vector Against Adsorption and Freeze-Thaw. <i>Journal of Pharmaceutical Sciences</i> , 2018, 107, 2764-2774.	3.3	25
120	Cognitive Correlates of Hippocampal Atrophy and Ventricular Enlargement in Adults with or without Mild Cognitive Impairment. <i>Dementia and Geriatric Cognitive Disorders Extra</i> , 2019, 9, 281-293.	1.3	25
121	Effects of surface finish on the initial oxidation of HVOF-sprayed NiCoCrAlY coatings. <i>Surface and Coatings Technology</i> , 2019, 364, 43-56.	4.8	25
122	Hippocampal subregions and networks linked with antidepressant response to electroconvulsive therapy. <i>Molecular Psychiatry</i> , 2021, 26, 4288-4299.	7.9	25
123	Correlating the Impact of Well-Defined Oligosaccharide Structures on Physical Stability Profiles of IgG1-Fc Glycoforms. <i>Journal of Pharmaceutical Sciences</i> , 2016, 105, 588-601.	3.3	24
124	Synthesis, biological evaluation and in silico molecular modeling of pyrrolyl benzohydrazide derivatives as enoyl ACP reductase inhibitors. <i>European Journal of Medicinal Chemistry</i> , 2017, 126, 286-297.	5.5	24
125	Effect of post-treatments under hot isostatic pressure on microstructural characteristics of EBM-built Alloy 718. <i>Additive Manufacturing</i> , 2019, 28, 727-737.	3.0	24
126	Vitamin D deficiency influences fatty acid metabolism. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 2019, 140, 57-63.	2.2	24



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127	Effect of Aluminum Adjuvant and Preservatives on Structural Integrity and Physicochemical Stability Profiles of Three Recombinant Subunit Rotavirus Vaccine Antigens. Journal of Pharmaceutical Sciences, 2020, 109, 476-487.	3.3	24
128	Design, Synthesis and Structure-Activity Relationship Study of Coumarin Benzimidazole Hybrid as Potent Antibacterial and Anticancer Agents. ChemistrySelect, 2016, 1, 4638-4644.	1.5	23
129	Sprouty 2: a novel attenuator of B-cell receptor and MAPK-Erk signaling in CLL. Blood, 2016, 127, 2310-2321.	1.4	23
130	Interaction between carisoprodol and bovine serum albumin and effect of $\beta$ -cyclodextrin on binding: insights from molecular docking and spectroscopic techniques. RSC Advances, 2016, 6, 63463-63471.	3.6	23
131	Evaluation of Hydrogen Exchange Mass Spectrometry as a Stability-Indicating Method for Formulation Excipient Screening for an IgG4 Monoclonal Antibody. Journal of Pharmaceutical Sciences, 2018, 107, 1009-1019.	3.3	23
132	Design, synthesis, and molecular docking study of new piperazine derivative as potential antimicrobial agents. Bioorganic Chemistry, 2019, 92, 103217.	4.1	23
133	Isothermal oxidation of HVAF-sprayed Ni-based chromia, alumina and mixed-oxide scale forming coatings in ambient air. Surface and Coatings Technology, 2017, 316, 10-21.	4.8	22
134	Seed layer-assisted low temperature solution growth of 3D ZnO nanowall architecture for hybrid solar cells. Materials and Design, 2017, 116, 219-226.	7.0	22
135	Design, Docking, and Synthesis of Quinoline-1,2,4-triazolones as Potent Anticancer and Antitubercular Agents. ChemistrySelect, 2018, 3, 2004-2016.	1.5	22
136	5-(1-Aryl-3-(thiophen-2-yl)-1H-pyrazol-4-yl)-1H-tetrazoles: Synthesis, structural characterization, Hirshfeld analysis, anti-inflammatory and anti-bacterial studies. Journal of Molecular Structure, 2018, 1160, 63-72.	3.6	22
137	Combined semi-empirical screening and design of experiments (DOE) approach to identify candidate formulations of a lyophilized live attenuated tetravalent viral vaccine candidate. Vaccine, 2018, 36, 3169-3179.	3.8	22
138	Durability of Gadolinium Zirconate/YSZ Double-Layered Thermal Barrier Coatings under Different Thermal Cyclic Test Conditions. Materials, 2019, 12, 2238.	2.9	22
139	Influence of microstructure on the erosion behaviour of suspension plasma sprayed thermal barrier coatings. Surface and Coatings Technology, 2019, 375, 86-99.	4.8	22
140	Role of protein arginine methyltransferase 5 in group 3 (MYC-driven) Medulloblastoma. BMC Cancer, 2019, 19, 1056.	2.6	22
141	Synthesis, Antitubercular and Antimicrobial Activity of 1,2,4-Triazolidine-3-thione Functionalized Coumarin and Phenyl Derivatives and Molecular Docking Studies. ChemistrySelect, 2019, 4, 105-115.	1.5	22
142	Synthesis, molecular modeling and BACE-1 inhibitory study of tetrahydrobenzo[b] pyran derivatives. Bioorganic Chemistry, 2019, 84, 202-210.	4.1	22
143	Synthesis, molecular docking studies, and in vitro evaluation of 1,3,5-triazine derivatives as promising antimicrobial agents. Journal of Molecular Structure, 2020, 1220, 128687.	3.6	22
144	Effect of multiaxial loading on evolution of $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si0028.gif" overflow="scroll">\langle \text{mml:mo}\{\langle \text{mml:mn}>10\langle \text{mml:mn}>\langle \text{mml:mover} \text{accent="true"}>\langle \text{mml:mrow}>\langle \text{mml:mn}>1\langle \text{mml:mn}>\langle \text{mml:mrow}>\langle \text{mml:mrow}>\langle \text{mml:mo}>\hat{\text{A}}\langle \text{mml:mo}>\langle \text{mml:mrow}>\langle \text{mml:mover}>\langle \text{mml:math}>\text{twinning in magnesium single crystals. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2016, 659, 256-269.$	5.6	21

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145	Reduced Maternal Erythrocyte Long Chain Polyunsaturated Fatty Acids Exist in Early Pregnancy in Preeclampsia. <i>Lipids</i> , 2016, 51, 85-94.	1.7	21
146	Inter and intra-hemispheric structural imaging markers predict depression relapse after electroconvulsive therapy: a multisite study. <i>Translational Psychiatry</i> , 2017, 7, 1270.	4.8	21
147	Microwave-Assisted Expedited Green Synthesis, Photophysical, Computational Studies of Coumarin-3-yl-methyl-1,2,4-triazol-5-ones and Their Anticancer Activity. <i>ChemistrySelect</i> , 2018, 3, 4448-4462.		21
148	New Urea Derivatives as Potential Antimicrobial Agents: Synthesis, Biological Evaluation, and Molecular Docking Studies. <i>Antibiotics</i> , 2019, 8, 178.	3.7	21
149	Energy Characteristics and Failure Mechanisms for Textile Spread Tow Thin Ply Thermoplastic Composites under Low-velocity Impact. <i>Fibers and Polymers</i> , 2019, 20, 1716-1725.	2.1	21
150	Exploring the role of LC-PUFA metabolism in pregnancy complications. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 2020, 163, 102203.	2.2	21
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