

Meenakshi Singh

List of Publications by Year in descending order

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59
papers

871
citations

516561
16
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all docs

63
docs citations

63
times ranked

1327
citing authors

#	ARTICLE	IF	CITATIONS
1	Design, synthesis and mode of action of some benzothiazole derivatives bearing an amide moiety as antibacterial agents. RSC Advances, 2014, 4, 19013-19023.	1.7	93
2	Molecularly imprinted polymer-based solid-phase microextraction fiber coupled with molecularly imprinted polymer-based sensor for ultratrace analysis of ascorbic acid. Journal of Chromatography A, 2008, 1198-1199, 59-66.	1.8	92
3	Benzothiazoles: How Relevant in Cancer Drug Design Strategy?. Anti-Cancer Agents in Medicinal Chemistry, 2014, 14, 127-146.	0.9	51
4	Epitope imprinting of Mycobacterium leprae bacteria via molecularly imprinted nanoparticles using multiple monomers approach. Biosensors and Bioelectronics, 2019, 145, 111698.	5.3	44
5	QCM sensing of melphalan via electropolymerized molecularly imprinted polythiophene films. Biosensors and Bioelectronics, 2015, 74, 711-717.	5.3	36
6	Zwitterionic Polyelectrolytes: A Review. E-Polymers, 2007, 7, .	1.3	33
7	NMR-Fragment Based Virtual Screening: A Brief Overview. Molecules, 2018, 23, 233.	1.7	33
8	Zwitterionic polymers in drug delivery: A review. Journal of Molecular Recognition, 2022, 35, e2944.	1.1	29
9	Water-compatible aspartame™-imprinted polymer grafted on silica surface for selective recognition in aqueous solution. Analytical and Bioanalytical Chemistry, 2013, 405, 4245-4252.	1.9	28
10	Type-II NADH Dehydrogenase (NDH-2): a promising therapeutic target for antitubercular and antibacterial drug discovery. Expert Opinion on Therapeutic Targets, 2017, 21, 559-570.	1.5	26
11	Ultratrace analysis of uracil and 5-fluorouracil by molecularly imprinted polymer brushes grafted to silylated solid-phase microextraction fiber in combination with complementary molecularly imprinted polymer-based sensor. Biomedical Chromatography, 2009, 23, 499-509.	0.8	21
12	Design, synthesis and mode of action of novel 2-(4-aminophenyl)benzothiazole derivatives bearing semicarbazone and thiosemicarbazone moiety as potent antimicrobial agents. Medicinal Chemistry Research, 2016, 25, 263-282.	1.1	21
13	An epitope-imprinted piezoelectric diagnostic tool for <i>Neisseria meningitidis</i> detection. Journal of Molecular Recognition, 2016, 29, 572-579.	1.1	19
14	Epitope imprinting of iron binding protein of <i>Neisseria meningitidis</i> bacteria through multiple monomers imprinting approach. Journal of Molecular Recognition, 2018, 31, e2709.	1.1	19
15	Glycoprotein imprinted RGO-starch nanocomposite modified EQCM sensor for sensitive and specific detection of transferrin. Journal of Electroanalytical Chemistry, 2019, 835, 169-177.	1.9	19
16	Ultratrace Analysis of Dopamine Using a Combination of Imprinted Polymer-Brush-Coated SPME and Imprinted Polymer Sensor Techniques. Chromatographia, 2009, 69, 949-957.	0.7	17
17	Synthesis and characterization of zwitterionic organogels based on Schiff base chemistry. Journal of Applied Polymer Science, 2010, 118, 2821-2832.	1.3	17
18	Advances in Synthesis and Applications of Sulfo and Carbo Analogues of Polybetaines: A Review. Reviews in Advanced Sciences and Engineering, 2013, 2, 90-111.	0.6	17

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19	Benzothiazole derivatives bearing amide moiety. <i>Anti-Cancer Drugs</i> , 2016, 27, 519-532.	0.7	16
20	Water-compatible surface imprinting of α -baclofen TM on silica surface for selective recognition and detection in aqueous solution. <i>Analytical Methods</i> , 2012, 4, 3019.	1.3	15
21	Biopolymeric receptor for peptide recognition by molecular imprinting approach TM Synthesis, characterization and application. <i>Materials Science and Engineering C</i> , 2014, 45, 383-394.	3.8	13
22	A biopolymeric nano-receptor for sensitive and selective recognition of albendazole. <i>Analytical Methods</i> , 2016, 8, 1026-1033.	1.3	13
23	DnaG Primase TM A Target for the Development of Novel Antibacterial Agents. <i>Antibiotics</i> , 2018, 7, 72.	1.5	13
24	Highly sensitive and selective estimation of aspartame by chitosan nanoparticles TM graphene nanocomposite tailored EQCM-MIP sensor. <i>Polymer Bulletin</i> , 2019, 76, 4431-4449.	1.7	13
25	Development of highly sensitive and selective sensor for ethionamide guided by molecular modelling via electropolymerized molecularly imprinted films. <i>Microchemical Journal</i> , 2020, 152, 104355.	2.3	13
26	Imprinted Graphene-Starch Nanocomposite Matrix-Anchored EQCM Platform for Highly Selective Sensing of Epinephrine. <i>Nano</i> , 2018, 13, 1850131.	0.5	12
27	Selective Recognition and Detection of L-Aspartic Acid by Molecularly Imprinted Polymer in Aqueous Solution. <i>American Journal of Analytical Chemistry</i> , 2011, 02, 909-918.	0.3	12
28	Zwitterionic molecularly imprinted polymer TM -based solid TM -phase micro TM -extraction coupled with molecularly imprinted polymer sensor for ultra TM -trace sensing of α -histidine. <i>Journal of Separation Science</i> , 2009, 32, 1096-1105.	1.3	11
29	Design, Synthesis and Mode of Action of Some New 2-(4'-aminophenyl) benzothiazole Derivatives as Potent Antimicrobial Agents. <i>Letters in Drug Design and Discovery</i> , 2016, 13, 429-437.	0.4	11
30	Design and Synthesis of Novel Schiff Base-Benzothiazole Hybrids as Potential Epidermal Growth Factor Receptor (EGFR) Inhibitors. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2016, 16, 722-739.	0.9	11
31	Synthesis and characterization of antipyrine-imprinted polymers and their application for sustained release. <i>Polymer Bulletin</i> , 2018, 75, 5235-5252.	1.7	9
32	Syringic acid, a novel thyroid hormone receptor TM agonist, ameliorates propylthiouracil TM -induced thyroid toxicity in rats. <i>Journal of Biochemical and Molecular Toxicology</i> , 2021, 35, e22814.	1.4	9
33	Electrolytic Conductivity of the N-Chloranil- and N-Xylylene-Based Polyelectrolytes in Dimethylformamide and Dimethyl Sulfoxide. <i>Journal of Chemical & Engineering Data</i> , 1996, 41, 409-413.	1.0	7
34	Designing L-serine targeted molecularly imprinted polymer <i>via</i> theoretical investigation. <i>Journal of Theoretical and Computational Chemistry</i> , 2016, 15, 1650041.	1.8	7
35	Electrochemical and piezoelectric monitoring of taurine via electropolymerized molecularly imprinted films. <i>Journal of Molecular Recognition</i> , 2017, 30, e2652.	1.1	7
36	A systematic review of α -carbohydrate-based bioactive molecules for Alzheimer TM s disease. <i>Future Medicinal Chemistry</i> , 2021, 13, 1695-1711.	1.1	7

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37	Benzothiazole derivative bearing amide moiety induces p53-mediated apoptosis in HPV16 positive cervical cancer cells. <i>Investigational New Drugs</i> , 2020, 38, 934-945.	1.2	6
38	Dual-Acting Small-Molecule Inhibitors Targeting Mycobacterial DNA Replication. <i>Chemistry - A European Journal</i> , 2020, 26, 10849-10860.	1.7	6
39	Polyzwitterions. , 2018, , 69-101.		5
40	Design of imprinting matrix for dual template sensing via electropolymerized polythiophene films. <i>Journal of Molecular Recognition</i> , 2022, 35, e2962.	1.1	5
41	N-Chloranil and N-Xylene Containing Polycations. Preparation and Solvation Characteristics. <i>Polymer Journal</i> , 1995, 27, 49-58.	1.3	4
42	Design of molecularly imprinted sensor for detection of typhoid using immunoinformatics and molecular imprinting. <i>Biosensors and Bioelectronics: X</i> , 2022, 10, 100090.	0.9	4
43	Non-aqueous solvation behaviour of some nitrogen-containing polycationic electrolytes: 1. Partial molar volumes in propylene carbonate and sulfolane. <i>Polymer</i> , 1996, 37, 281-286.	1.8	2
44	Electrolytic conductivity of crystal violet based quaternary ammonium polyelectrolytes in N,N ² -dimethylformamide and dimethyl sulfoxide. <i>Canadian Journal of Chemistry</i> , 1997, 75, 414-422.	0.6	2
45	Synthesis, Characterization and Photoluminescence Study of Novel Sulfobetaine Polyelectrolytes. <i>Journal of Fluorescence</i> , 2011, 21, 289-297.	1.3	2
46	Synthesis and swelling characteristics of responsive carboxybetaine gel. <i>Journal of Applied Polymer Science</i> , 2011, 122, 241-248.	1.3	2
47	QSAR study of a series of 2,3-dihydroimidazo[1,2-c]pyrimidines as antibacterial agents. <i>Medicinal Chemistry Research</i> , 2012, 21, 407-414.	1.1	2
48	Selective recognition of fenbufen by surface-imprinted silica with iniferter technique. <i>Journal of Porous Materials</i> , 2014, 21, 677-684.	1.3	2
49	EQCM sensor for targeting psychoactive drug via rationally designed molecularly imprinted polymeric nanoparticles (nanoMIPs). <i>Materials Today: Proceedings</i> , 2022, 49, 3345-3356.	0.9	2
50	Flexible microtubule anchoring modulates the bi-directional motility of the kinesin-5 Cin8. <i>Cellular and Molecular Life Sciences</i> , 2021, 78, 6051-6068.	2.4	2
51	Cell-penetrating peptide conjugates of indole ³ -acetic acid-based DNA primase/Gyrase inhibitors as potent anti-tubercular agents against planktonic and biofilm culture of <i>Mycobacterium smegmatis</i> . <i>Chemical Biology and Drug Design</i> , 2021, 98, 722-732.	1.5	2
52	CoMFA and CoMSIA 3D QSAR Models for a Series of Some Condensed Thieno[2,3-d]pyrimidin-4(3H)-ones with Antihistaminic (H1) Activity. <i>Medicinal Chemistry</i> , 2013, 9, 389-401.	0.7	2
53	Design of EQCM-MIP sensing matrix for highly specific and sensitive detection of thyroglobulin. <i>Biosensors and Bioelectronics: X</i> , 2022, , 100154.	0.9	2
54	Electrolytic Conductivity of Crystal Violet-Based Quaternary Ammonium Polyelectrolytes in Propylene Carbonate and Sulfolane. <i>Journal of Chemical & Engineering Data</i> , 1995, 40, 79-82.	1.0	1

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55	Silica gel-immobilized di[N-chloranil piperazinium-bis-sulfosalicylate]: Preparation, characterization and performance for chromatographic separation of metals. <i>Chromatographia</i> , 2002, 56, 717-722.	0.7	1
56	Antibacterial activity, thermal stability and <i>ab initio</i> study of copolymer containing sulfobetaine and carboxybetaine groups. <i>Materials Research Express</i> , 2017, 4, 105304.	0.8	1
57	Surface Photografting of Novel Sulfobetaine Copolymers on Silica. <i>Materials Sciences and Applications</i> , 2012, 03, 467-477.	0.3	1
58	Solvation of certain N-based polycationic electrolytes: viscosity measurements in dimethylformamide and dimethylsulfoxide. <i>Journal of Molecular Liquids</i> , 1999, 81, 147-158.	2.3	0
59	Synthesis and swelling characteristics of zwitterionic hydrogel. <i>E-Polymers</i> , 2008, 8, .	1.3	0