Vinod Kumar Gupta

List of Publications by Citations

403 papers	47,647 citations	103 h-index	206 g-index
412 ext. papers	51,675 ext. citations	6.6 avg, IF	8.27 L-index

#	Paper	IF	Citations
403	Application of low-cost adsorbents for dye removal--a review. *Journal of Environmental Management*, **2009**, 90, 2313-42	7.9	2385
402	Chemical treatment technologies for waste-water recycling—an overview. *RSC Advances*, **2012**, 2, 6380	3.7	1118
401	Adsorptive removal of dyes from aqueous solution onto carbon nanotubes: a review. *Advances in Colloid and Interface Science*, **2013**, 193-194, 24-34	14.3	902
400	Enhanced photocatalytic activity of ZnO/CuO nanocomposite for the degradation of textile dye on visible light illumination. *Materials Science and Engineering C*, **2013**, 33, 91-8	8.3	808
399	Removal and recovery of Chrysoidine Y from aqueous solutions by waste materials. *Journal of Colloid and Interface Science*, **2010**, 344, 497-507	9.3	753
398	Cadmium removal and recovery from aqueous solutions by novel adsorbents prepared from orange peel and Fe2O3 nanoparticles. *Chemical Engineering Journal*, **2012**, 180, 81-90	14.7	733
397	Adsorption process of methyl orange dye onto mesoporous carbon material-kinetic and thermodynamic studies. *Journal of Colloid and Interface Science*, **2011**, 362, 457-62	9.3	636
396	Multi-walled carbon nanotubes-ionic liquid-carbon paste electrode as a super selectivity sensor: application to potentiometric monitoring of mercury ion(II). *Journal of Hazardous Materials*, **2010**, 183, 402-9	12.8	633
395	Chromium removal by combining the magnetic properties of iron oxide with adsorption properties of carbon nanotubes. *Water Research*, **2011**, 45, 2207-12	12.5	613
394	Removal of basic dye Auramine-O by ZnS:Cu nanoparticles loaded on activated carbon: optimization of parameters using response surface methodology with central composite design. *RSC Advances*, **2015**, 5, 18438-18450	3.7	599
393	Bioadsorbents for remediation of heavy metals: Current status and their future prospects. *Environmental Engineering Research*, **2015**, 20, 1-18	3.6	581
392	Processing methods, characteristics and adsorption behavior of tire derived carbons: a review. *Advances in Colloid and Interface Science*, **2014**, 211, 93-101	14.3	579
391	Adsorptive removal of hazardous anionic dye "Congo red" from wastewater using waste materials and recovery by desorption. *Journal of Colloid and Interface Science*, **2009**, 340, 16-26	9.3	556
390	Removal of lead and chromium from wastewater using bagasse fly ash--a sugar industry waste. *Journal of Colloid and Interface Science*, **2004**, 271, 321-8	9.3	537
389	Conducting PANI stimulated ZnO system for visible light photocatalytic degradation of coloured dyes. *Journal of Molecular Liquids*, **2016**, 221, 1029-1033	6	527
388	A comparative investigation on adsorption performances of mesoporous activated carbon prepared from waste rubber tire and activated carbon for a hazardous azo dye--Acid Blue 113. *Journal of Hazardous Materials*, **2011**, 186, 891-901	12.8	525
387	ZnO/Ag/CdO nanocomposite for visible light-induced photocatalytic degradation of industrial textile effluents. *Journal of Colloid and Interface Science*, **2015**, 452, 126-133	9.3	516

386	A novel magnetic Fe@Au core-shell nanoparticles anchored graphene oxide recyclable nanocatalyst for the reduction of nitrophenol compounds. *Water Research*, **2014**, 48, 210-7	12.5	510
385	Modeling of competitive ultrasonic assisted removal of the dyes Methylene blue and Safranin-O using Fe3O4 nanoparticles. *Chemical Engineering Journal*, **2015**, 268, 28-37	14.7	508
384	Adsorption of hazardous dye crystal violet from wastewater by waste materials. *Journal of Colloid and Interface Science*, **2010**, 343, 463-73	9.3	498
383	A new approach for the degradation of high concentration of aromatic amine by heterocatalytic Fenton oxidation: Kinetic and spectroscopic studies. *Journal of Molecular Liquids*, **2012**, 173, 153-163	6	485
382	ZnO/Ag nanocomposite: an efficient catalyst for degradation studies of textile effluents under visible light. *Materials Science and Engineering C*, **2013**, 33, 2235-44	8.3	481
381	Removal of hazardous dyes-BR 12 and methyl orange using graphene oxide as an adsorbent from aqueous phase. *Chemical Engineering Journal*, **2016**, 284, 687-697	14.7	444
380	Decoloration treatment of a hazardous triarylmethane dye, Light Green SF (Yellowish) by waste material adsorbents. *Journal of Colloid and Interface Science*, **2010**, 342, 518-27	9.3	441
379	Biosorption of lead from aqueous solutions by green algae Spirogyra species: kinetics and equilibrium studies. *Journal of Hazardous Materials*, **2008**, 152, 407-14	12.8	437
378	Biosorption of chromium(VI) from aqueous solutions by green algae Spirogyra species. *Water Research*, **2001**, 35, 4079-85	12.5	437
377	Ce(3+)-ion-induced visible-light photocatalytic degradation and electrochemical activity of ZnO/CeO2 nanocomposite. *Scientific Reports*, **2016**, 6, 31641	4.9	435
376	Adsorption studies on the removal of coloring agent phenol red from wastewater using waste materials as adsorbents. *Journal of Colloid and Interface Science*, **2009**, 337, 345-54	9.3	430
375	Visible light induced degradation of methylene blue using CeO2/V2O5 and CeO2/CuO catalysts. *Materials Science and Engineering C*, **2013**, 33, 4725-31	8.3	422
374	Cellulose: A review as natural, modified and activated carbon adsorbent. *Bioresource Technology*, **2016**, 216, 1066-76	11	417
373	The photocatalytic activity of ZnO prepared by simple thermal decomposition method at various temperatures. *Journal of Molecular Liquids*, **2013**, 177, 394-401	6	413
372	Design parameters for fixed bed reactors of activated carbon developed from fertilizer waste for the removal of some heavy metal ions. *Waste Management*, **1998**, 17, 517-522	8.6	399
371	ZnO/Ag/Mn2O3 nanocomposite for visible light-induced industrial textile effluent degradation, uric acid and ascorbic acid sensing and antimicrobial activity. *RSC Advances*, **2015**, 5, 34645-34651	3.7	393
370	Potential of activated carbon from waste rubber tire for the adsorption of phenolics: effect of pre-treatment conditions. *Journal of Colloid and Interface Science*, **2014**, 417, 420-30	9.3	380
369	Thiazole Schiff base turn-on fluorescent chemosensor for Al3+ ion. *Sensors and Actuators B: Chemical*, **2014**, 195, 98-108	8.5	375

368	Photochemical degradation of the hazardous dye Safranin-T using TiO2 catalyst. *Journal of Colloid and Interface Science*, **2007**, 309, 464-9	9.3	360
367	A novel electro analytical nanosensor based on graphene oxide/silver nanoparticles for simultaneous determination of quercetin and morin. *Electrochimica Acta*, **2014**, 120, 204-211	6.7	354
366	Defluoridation of wastewaters using waste carbon slurry. *Water Research*, **2007**, 41, 3307-16	12.5	346
365	Neutral carriers based polymeric membrane electrodes for selective determination of mercury (II). *Analytica Chimica Acta*, **2007**, 590, 81-90	6.6	337
364	Mercury selective potentiometric sensor based on low rim functionalized thiacalix [4]-arene as a cationic receptor. *Journal of Molecular Liquids*, **2013**, 177, 114-118	6	334
363	Preparation and characterization of V2O5/ZnO nanocomposite system for photocatalytic application. *Journal of Molecular Liquids*, **2014**, 198, 409-412	6	322
362	Chromium removal from water by activated carbon developed from waste rubber tires. *Environmental Science and Pollution Research*, **2013**, 20, 1261-8	5.1	321
361	Removal of Reactofix golden yellow 3 RFN from aqueous solution using wheat husk--An agricultural waste. *Journal of Hazardous Materials*, **2007**, 142, 443-8	12.8	314
360	A cobalt(II)-selective PVC membrane based on a Schiff base complex of N,N?-bis(salicylidene)-3,4-diaminotoluene. *Analytica Chimica Acta*, **2006**, 566, 5-10	6.6	310
359	Batch and bulk removal of hazardous colouring agent Rose Bengal by adsorption techniques using bottom ash as adsorbent. *RSC Advances*, **2012**, 2, 8381	3.7	309
358	Visible light degradation of textile effluent using novel catalyst ZnO/□Mn2O3. *Journal of the Taiwan Institute of Chemical Engineers*, **2014**, 45, 1910-1917	5.3	308
357	A reversible fluorescence "off-on-off" sensor for sequential detection of aluminum and acetate/fluoride ions. *Talanta*, **2015**, 144, 80-9	6.2	307
356	Kinetic, thermodynamic and isotherm studies for acid blue 129 removal from liquids using copper oxide nanoparticle-modified activated carbon as a novel adsorbent. *Journal of Molecular Liquids*, **2015**, 201, 124-133	6	303
355	A novel copper (II) selective sensor based on Dimethyl 4, 4? (o-phenylene) bis(3-thioallophanate) in PVC matrix. *Journal of Molecular Liquids*, **2012**, 174, 11-16	6	303
354	The role of nanomaterials as effective adsorbents and their applications in wastewater treatment. *Journal of Nanostructure in Chemistry*, **2017**, 7, 1-14	7.6	299
353	Pesticides removal from waste water by activated carbon prepared from waste rubber tire. *Water Research*, **2011**, 45, 4047-55	12.5	297
352	Selective naked-eye detection of Magnesium (II) ions using a coumarin-derived fluorescent probe. *Sensors and Actuators B: Chemical*, **2015**, 207, 216-223	8.5	293
351	Comparative study on photocatalytic activity of ZnO prepared by different methods. *Journal of Molecular Liquids*, **2013**, 181, 133-141	6	291

350	Equilibrium uptake and sorption dynamics for the removal of a basic dye (basic red) using low-cost adsorbents. *Journal of Colloid and Interface Science*, **2003**, 265, 257-64	9.3	288
349	Fabrication of novel shape Cu and Cu/Cu2O nanoparticles modified electrode for the determination of dopamine and paracetamol. *Journal of Molecular Liquids*, **2016**, 221, 930-941	6	280
348	PVC-based membranes of N,N?-dibenzyl-1,4,10,13-tetraoxa-7,16-diazacyclooctadecane as Pb(II)-selective sensor. *Sensors and Actuators B: Chemical*, **2006**, 120, 259-265	8.5	279
347	Synthesis, characterization and antibacterial activity of biodegradable starch/PVA composite films reinforced with cellulosic fibre. *Carbohydrate Polymers*, **2014**, 109, 171-9	10.3	256
346	Electrochemical removal of the hazardous dye Reactofix Red 3 BFN from industrial effluents. *Journal of Colloid and Interface Science*, **2007**, 312, 292-6	9.3	254
345	Process development for the batch and bulk removal and recovery of a hazardous, water-soluble azo dye (Metanil Yellow) by adsorption over waste materials (Bottom Ash and De-Oiled Soya). *Journal of Hazardous Materials*, **2008**, 151, 821-32	12.8	238
344	Modeling of quaternary dyes adsorption onto ZnO□RAC artificial neural network: Analysis by derivative spectrophotometry. *Journal of Industrial and Engineering Chemistry*, **2016**, 34, 186-197	6.3	230
343	Cadmium (II) ion sensing through p-tert-butyl calix[6]arene based potentiometric sensor. *Journal of Molecular Liquids*, **2014**, 195, 65-68	6	223
342	A novel voltammetric sensor based on gold nanoparticles involved in p-aminothiophenol functionalized multi-walled carbon nanotubes: Application to the simultaneous determination of quercetin and rutin. *Electrochimica Acta*, **2014**, 119, 24-31	6.7	219
341	A sensitive molecular imprinted electrochemical sensor based on gold nanoparticles decorated graphene oxide: Application to selective determination of tyrosine in milk. *Sensors and Actuators B: Chemical*, **2015**, 210, 149-157	8.5	216
340	Chemical sensor for lanthanum(III) determination using aza-crown as ionophore in poly(vinyl chloride) matrix. *Analytica Chimica Acta*, **2003**, 486, 199-207	6.6	203
339	A novel and sensitive electrochemical DNA biosensor based on Fe@Au nanoparticles decorated graphene oxide. *Electrochimica Acta*, **2014**, 125, 38-47	6.7	196
338	Adsorption behavior of Hg(II), Pb(II), and Cd(II) from aqueous solution on Duolite C-433: a synthetic resin. *Journal of Colloid and Interface Science*, **2004**, 275, 398-402	9.3	183
337	A new epirubicin biosensor based on amplifying DNA interactions with polypyrrole and nitrogen-doped reduced graphene: Experimental and docking theoretical investigations. *Sensors and Actuators B: Chemical*, **2019**, 284, 568-574	8.5	183
336	A new multifunctional rhodamine-derived probe for colorimetric sensing of Cu(II) and Al(III) and fluorometric sensing of Fe(III) in aqueous media. *Sensors and Actuators B: Chemical*, **2016**, 223, 101-113	8.5	169
335	A novel detection method for organophosphorus insecticide fenamiphos: Molecularly imprinted electrochemical sensor based on core-shell CoO@MOF-74 nanocomposite. *Journal of Colloid and Interface Science*, **2021**, 592, 174-185	9.3	168
334	Molecularly imprinted electrochemical biosensor based on Fe@Au nanoparticles involved in 2-aminoethanethiol functionalized multi-walled carbon nanotubes for sensitive determination of cefexime in human plasma. *Biosensors and Bioelectronics*, **2014**, 60, 277-85	11.8	158
333	Voltammetric amplified platform based on ionic liquid/NiO nanocomposite for determination of benserazide and levodopa. *Journal of Molecular Liquids*, **2019**, 278, 672-676	6	157

332	Removal of noxious Cr (VI) ions using single-walled carbon nanotubes and multi-walled carbon nanotubes. *Chemical Engineering Journal*, **2015**, 279, 344-352	14.7	157
331	Adsorptive removal of cadmium(II) ions from liquid phase using acid modified carbon-based adsorbents. *Journal of Molecular Liquids*, **2015**, 204, 255-263	6	156
330	A sensitive molecularly imprinted polymer based quartz crystal microbalance nanosensor for selective determination of lovastatin in red yeast rice. *Food Chemistry*, **2015**, 185, 430-6	8.5	154
329	Enhanced removal of methyl orange from aqueous solutions by poly HEMA□hitosan-MWCNT nano-composite. *Journal of Molecular Liquids*, **2015**, 202, 189-198	6	154
328	Adsorptional photocatalytic degradation of methylene blue onto pectin-CuS nanocomposite under solar light. *Journal of Hazardous Materials*, **2012**, 243, 179-86	12.8	152
327	Sensitive and selective determination of aqueous triclosan based on gold nanoparticles on polyoxometalate/reduced graphene oxide nanohybrid. *RSC Advances*, **2015**, 5, 65953-65962	3.7	150
326	Sensitive voltammetric sensor based on polyoxometalate/reduced graphene oxide nanomaterial: Application to the simultaneous determination of l-tyrosine and l-tryptophan. *Sensors and Actuators B: Chemical*, **2016**, 233, 47-54	8.5	150
325	A comparative study on the basis of adsorption capacity between CNTs and activated carbon as adsorbents for removal of noxious synthetic dyes: a review. *Journal of Nanostructure in Chemistry*, **2015**, 5, 227-236	7.6	143
324	ZnO/CdO nanocomposites for textile effluent degradation and electrochemical detection. *Journal of Molecular Liquids*, **2015**, 209, 374-380	6	142
323	Heavy metal adsorption using PAMAM/CNT nanocomposite from aqueous solution in batch and continuous fixed bed systems. *Chemical Engineering Journal*, **2018**, 346, 258-270	14.7	141
322	Magnetic iron oxide and iron oxide@gold nanoparticle anchored nitrogen and sulfur-functionalized reduced graphene oxide electrocatalyst for methanol oxidation. *RSC Advances*, **2015**, 5, 26402-26409	3.7	137
321	CoFe2O4@TiO2 decorated reduced graphene oxide nanocomposite for photocatalytic degradation of chlorpyrifos. *Journal of Molecular Liquids*, **2015**, 208, 122-129	6	136
320	Review on augmentation in photocatalytic activity of CoFe2O4 via heterojunction formation for photocatalysis of organic pollutants in water. *Journal of Saudi Chemical Society*, **2019**, 23, 1119-1136	4.3	132
319	A cerium(III) selective polyvinyl chloride membrane sensor based on a Schiff base complex of N,N'-bis[2-(salicylideneamino)ethyl]ethane-1,2-diamine. *Analytica Chimica Acta*, **2006**, 575, 198-204	6.6	132
318	Enhanced removal of Cr(VI) from aqueous solutions using polypyrrole wrapped oxidized MWCNTs nanocomposites adsorbent. *Journal of Colloid and Interface Science*, **2016**, 470, 257-267	9.3	127
317	Synthesis and characterization of metal oxides (CeO, CuO, NiO, MnO, SnO and ZnO) nanoparticles as photo catalysts for degradation of textile dyes. *Journal of Photochemistry and Photobiology B: Biology*, **2017**, 173, 43-49	6.7	126
316	Sensitive determination of citrinin based on molecular imprinted electrochemical sensor. *Applied Surface Science*, **2016**, 362, 315-322	6.7	121
315	A novel efficient photocatalyst based on TiO2 nanoparticles involved boron enrichment waste for photocatalytic degradation of atrazine. *Chemical Engineering Journal*, **2014**, 250, 288-294	14.7	120

314	Ag3PO4 modified phosphorus and sulphur co-doped graphitic carbon nitride as a direct Z-scheme photocatalyst for 2, 4-dimethyl phenol degradation. *Journal of Photochemistry and Photobiology A: Chemistry*, **2019**, 374, 22-35	4.7	119
313	Adsorptive and photocatalytic removal of reactive dyes by silver nanoparticle-colemanite ore waste. *Chemical Engineering Journal*, **2014**, 242, 333-340	14.7	117
312	Sensitive analysis of simazine based on platinum nanoparticles on polyoxometalate/multi-walled carbon nanotubes. *Journal of Colloid and Interface Science*, **2016**, 470, 14-21	9.3	114
311	Batch and column studies of phosphate and nitrate adsorption on waste solids containing boron impurity. *Chemical Engineering Journal*, **2013**, 222, 108-119	14.7	113
310	Equilibrium and kinetic adsorption study of Basic Yellow 28 and Basic Red 46 by a boron industry waste. *Journal of Hazardous Materials*, **2009**, 161, 148-56	12.8	113
309	A novel impedimetric biosensor based on graphene oxide/gold nanoplatform for detection of DNA arrays. *Sensors and Actuators B: Chemical*, **2013**, 188, 1201-1211	8.5	112
308	Enhanced Antibacterial effect of chitosan film using Montmorillonite/CuO nanocomposite. *International Journal of Biological Macromolecules*, **2018**, 109, 1219-1231	7.9	111
307	Thermodynamics of the adsorption of nickel ions from aqueous phase using graphene oxide and glycine functionalized graphene oxide. *Journal of Molecular Liquids*, **2015**, 208, 106-113	6	109
306	Efficient removal of toxic bromothymol blue and methylene blue from wastewater by polyvinyl alcohol. *Journal of Molecular Liquids*, **2016**, 218, 191-197	6	109
305	Biosorption of lead from aqueous solutions by Bacillus strains possessing heavy-metal resistance. *Chemical Engineering Journal*, **2011**, 173, 422-428	14.7	108
304	A novel glucose biosensor platform based on Ag@AuNPs modified graphene oxide nanocomposite and SERS application. *Journal of Colloid and Interface Science*, **2013**, 406, 231-7	9.3	106
303	MWCNTs-Fe3O4 nanocomposite for Hg(II) high adsorption efficiency. *Journal of Molecular Liquids*, **2018**, 258, 345-353	6	104
302	Adsorption of Amido Black 10B from aqueous solution using polyaniline/SiO nanocomposite: Experimental investigation and artificial neural network modeling. *Journal of Colloid and Interface Science*, **2018**, 510, 246-261	9.3	104
301	A novel sensitive Cu(II) and Cd(II) nanosensor platform: Graphene oxide terminated p-aminophenyl modified glassy carbon surface. *Electrochimica Acta*, **2013**, 112, 541-548	6.7	104
300	Removal of Ni (II) ions from water using scrap tire. *Journal of Molecular Liquids*, **2014**, 190, 215-222	6	103
299	Comparative study of colorimetric sensors based on newly synthesized Schiff bases. *Sensors and Actuators B: Chemical*, **2013**, 182, 642-651	8.5	103
298	Nanoparticles as Adsorbent; A Positive Approach for Removal of Noxious Metal Ions: A Review. *Science Technology and Development*, **2015**, 34, 195-214		100
297	Fabrication and characterization of trimetallic nano-photocatalyst for remediation of ampicillin antibiotic. *Journal of Molecular Liquids*, **2018**, 260, 342-350	6	99

296	The use of low-cost adsorbent (Canola residues) for the adsorption of methylene blue from aqueous solution: Isotherm, kinetic and thermodynamic studies. *Colloids and Interface Science Communications*, **2015**, 7, 16-19	5.4	99
295	Adsorption of malachite green from aqueous solution by carboxylate group functionalized multi-walled carbon nanotubes: Determination of equilibrium and kinetics parameters. *Journal of Industrial and Engineering Chemistry*, **2016**, 34, 130-138	6.3	98
294	Kinetics and thermodynamics of malachite green dye adsorption from aqueous solutions on graphene oxide and reduced graphene oxide. *Journal of Molecular Liquids*, **2016**, 214, 259-263	6	98
293	Electrochemical Detection of Atrazine by Platinum Nanoparticles/Carbon Nitride Nanotubes with Molecularly Imprinted Polymer. *Industrial & Engineering Chemistry Research*, **2017**, 56, 7631-7639	3.9	97
292	A highly selective colorimetric and turn-on fluorescent chemosensor based on 1-(2-pyridylazo)-2-naphthol for the detection of aluminium(III) ions. *Sensors and Actuators B: Chemical*, **2015**, 209, 15-24	8.5	97
291	Removal of hexavalent chromium ions using CuO nanoparticles for water purification applications. *Journal of Colloid and Interface Science*, **2016**, 478, 54-62	9.3	97
290	Kinetics and thermodynamics of enhanced adsorption of the dye AR 18 using activated carbons prepared from walnut and poplar woods. *Journal of Molecular Liquids*, **2015**, 208, 99-105	6	96
289	Ultrasound assisted adsorption of malachite green dye onto ZnS:Cu-NP-AC: Equilibrium isotherms and kinetic studies Response surface optimization. *Separation and Purification Technology*, **2015**, 156, 780-788	8.3	95
288	Acrylic acid grafted cellulosic Luffa cylindrical fiber for the removal of dye and metal ions. *Carbohydrate Polymers*, **2013**, 98, 1214-21	10.3	95
287	Application of response surface methodology to optimize the adsorption performance of a magnetic graphene oxide nanocomposite adsorbent for removal of methadone from the environment. *Journal of Colloid and Interface Science*, **2017**, 497, 193-200	9.3	94
286	A novel optical sensor for copper ions based on phthalocyanine tetrasulfonic acid. *Sensors and Actuators B: Chemical*, **2015**, 212, 389-394	8.5	94
285	Synthesis and adsorption properties of mesoporous material for the removal of dye safranin: Kinetics, equilibrium, and thermodynamics. *Journal of Industrial and Engineering Chemistry*, **2015**, 22, 19-27	6.3	94
284	Carbonaceous adsorbent prepared from waste tires: Experimental and computational evaluations of organic dye methyl orange. *Journal of Molecular Liquids*, **2014**, 191, 85-91	6	94
283	Enhanced removal of toxic Congo red dye using multi walled carbon nanotubes: Kinetic, equilibrium studies and its comparison with other adsorbents. *Journal of Molecular Liquids*, **2015**, 212, 266-271	6	93
282	Multiwall carbon nanotube modified glassy carbon electrode as voltammetric sensor for the simultaneous determination of ascorbic acid and caffeine. *Electrochimica Acta*, **2013**, 93, 248-253	6.7	93
281	Photodegradation of hazardous dye quinoline yellow catalyzed by TiO2. *Journal of Colloid and Interface Science*, **2012**, 366, 135-140	9.3	91
280	High-performance removal of diazinon pesticide from water using multi-walled carbon nanotubes. *Microchemical Journal*, **2019**, 145, 486-491	4.8	91
279	Catalytic activity of Fe@Ag nanoparticle involved calcium alginate beads for the reduction of nitrophenols. *Journal of Molecular Liquids*, **2014**, 190, 133-138	6	90

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277	New molecular imprinted voltammetric sensor for determination of ochratoxin A. *Materials Science and Engineering C*, **2016**, 61, 368-75	8.3	89
276	Application of least squares support vector regression and linear multiple regression for modeling removal of methyl orange onto tin oxide nanoparticles loaded on activated carbon and activated carbon prepared from Pistacia atlantica wood. *Journal of Colloid and Interface Science*, **2016**, 461, 425-434	9.3	89
275	Fabrication of Ag3VO4 decorated phosphorus and sulphur co-doped graphitic carbon nitride as a high-dispersed photocatalyst for phenol mineralization and E. coli disinfection. *Separation and Purification Technology*, **2019**, 212, 887-900	8.3	88
274	Crystallinity and lowering band gap induced visible light photocatalytic activity of TiO/CS (Chitosan) nanocomposites. *International Journal of Biological Macromolecules*, **2018**, 109, 1239-1245	7.9	88
273	Facile route synthesis of novel graphene oxide-□cyclodextrin nanocomposite and its application as adsorbent for removal of toxic bisphenol A from the aqueous phase. *Journal of Molecular Liquids*, **2017**, 237, 466-472	6	87
272	Adsorption of copper (II) using modified activated carbon prepared from Pomegranate wood: Optimization by bee algorithm and response surface methodology. *Journal of Molecular Liquids*, **2015**, 206, 195-206	6	87
271	Kinetics, equilibrium studies and thermodynamics of methylene blue adsorption on Ephedra strobilacea saw dust and modified using phosphoric acid and zinc chloride. *Journal of Molecular Liquids*, **2016**, 218, 208-218	6	87
270	Kinetics of the adsorption of Pb(II) ions from aqueous solutions by graphene oxide and thiol functionalized graphene oxide. *Journal of Molecular Liquids*, **2015**, 209, 50-57	6	87
269	Preparation of bio-based porous carbon by microwave assisted phosphoric acid activation and its use for adsorption of Cr(VI). *Journal of Colloid and Interface Science*, **2013**, 401, 125-32	9.3	87
268	Polyaniline zirconium (IV) silicophosphate nanocomposite for remediation of methylene blue dye from waste water. *Journal of Molecular Liquids*, **2014**, 190, 139-145	6	86
267	A highly selective and sensitive voltammetric sensor with molecularly imprinted polymer based silver@gold nanoparticles/ionic liquid modified glassy carbon electrode for determination of ceftizoxime. *Journal of Molecular Liquids*, **2018**, 251, 212-217	6	86
266	Removal of humic acid from aqueous solution using UV/ZnO nano-photocatalysis and adsorption. *Journal of Molecular Liquids*, **2016**, 213, 374-380	6	85
265	A novel colorimetric detection probe for copper(II) ions based on a Schiff base. *Sensors and Actuators B: Chemical*, **2015**, 210, 408-417	8.5	85
264	Molecular imprinted nanosensor based on surface plasmon resonance: Application to the sensitive determination of amoxicillin. *Sensors and Actuators B: Chemical*, **2014**, 195, 28-35	8.5	83
263	Use of pectin-thorium (IV) tungstomolybdate nanocomposite for photocatalytic degradation of methylene blue. *Carbohydrate Polymers*, **2013**, 96, 277-83	10.3	83
262	Antipyrine based Schiff bases as Turn-on Fluorescent sensors for Al (III) ion. *Electrochimica Acta*, **2014**, 117, 405-412	6.7	81
261	Microwave-assisted removal of malachite green by carboxylate functionalized multi-walled carbon nanotubes: Kinetics and equilibrium study. *Journal of Molecular Liquids*, **2015**, 206, 151-158	6	81

260	Electrochemically grafted etodolac film on glassy carbon for Pb(II) determination. *Sensors and Actuators B: Chemical*, **2012**, 171-172, 1207-1215	8.5	80
259	Liquid phase determination of adrenaline uses a voltammetric sensor employing CuFe2O4 nanoparticles and room temperature ionic liquids. *Journal of Molecular Liquids*, **2016**, 213, 369-373	6	79
258	Adsorption of cadmium (II) and zinc (II) on boron enrichment process waste in aqueous solutions: Batch and fixed-bed system studies. *Chemical Engineering Journal*, **2012**, 192, 1-7	14.7	79
257	Adsorption of Anionic Dyes on Boron Industry Waste in Single and Binary Solutions Using Batch and Fixed-Bed Systems. *Journal of Chemical & Engineering Data*, **2011**, 56, 508-516	2.8	79
256	Adsorption mechanism of functionalized multi-walled carbon nanotubes for advanced Cu (II) removal. *Journal of Molecular Liquids*, **2017**, 230, 667-673	6	78
255	Degradation of azo dyes under different wavelengths of UV light with chitosan-SnO2 nanocomposites. *Journal of Molecular Liquids*, **2017**, 232, 423-430	6	78
254	Adsorption behavior of methylene blue dye on nanocomposite multi-walled carbon nanotube functionalized thiol (MWCNT-SH) as new adsorbent. *Journal of Molecular Liquids*, **2016**, 216, 830-835	6	78
253	Fabrication and characterization of Fe@MoPO nanoparticles: Ion exchange behavior and photocatalytic activity against malachite green. *Journal of Molecular Liquids*, **2016**, 219, 1137-1143	6	76
252	A molecular imprinted SPR biosensor for sensitive determination of citrinin in red yeast rice. *Food Chemistry*, **2015**, 184, 7-11	8.5	74
251	A Critical Analysis on the Efficiency of Activated Carbons from Low-Cost Precursors for Heavy Metals Remediation. *Critical Reviews in Environmental Science and Technology*, **2015**, 45, 613-668	11.1	74
250	An easily accessible switch-on optical chemosensor for the detection of noxious metal ions Ni(II), Zn(II), Fe(III) and UO2(II). *Sensors and Actuators B: Chemical*, **2016**, 222, 468-482	8.5	73
249	Tailoring the electrical and dielectric properties of ZnO nanorods by substitution. *Journal of Molecular Liquids*, **2014**, 193, 160-165	6	73
248	A sensitive molecular imprinted surface plasmon resonance nanosensor for selective determination of trace triclosan in wastewater. *Sensors and Actuators B: Chemical*, **2015**, 216, 638-644	8.5	72
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