

# Ghassan Chebbo

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

101 papers	3,243 citations	30 h-index	54 g-index
106 ext. papers	3,570 ext. citations	5.4 avg, IF	5.12 L-index

#	Paper	IF	Citations
101	Distribution of pollutant mass vs volume in stormwater discharges and the first flush phenomenon. <i>Water Research</i> , <b>1998</b> , 32, 2341-2356	12.5	310
100	Priority pollutants in urban stormwater: part 1 - case of separate storm sewers. <i>Water Research</i> , <b>2012</b> , 46, 6683-92	12.5	203
99	Study of a large scale powdered activated carbon pilot: Removals of a wide range of emerging and priority micropollutants from wastewater treatment plant effluents. <i>Water Research</i> , <b>2015</b> , 72, 315-30	12.5	165
98	Contribution of different sources to the pollution of wet weather flows in combined sewers. <i>Water Research</i> , <b>2001</b> , 35, 521-33	12.5	154
97	Micropollutants in urban stormwater: occurrence, concentrations, and atmospheric contributions for a wide range of contaminants in three French catchments. <i>Environmental Science and Pollution Research</i> , <b>2014</b> , 21, 5267-81	5.1	119
96	Removal of a wide range of emerging pollutants from wastewater treatment plant discharges by micro-grain activated carbon in fluidized bed as tertiary treatment at large pilot scale. <i>Science of the Total Environment</i> , <b>2016</b> , 542, 983-96	10.2	113
95	Partition of pollution between dissolved and particulate phases: what about emerging substances in urban stormwater catchments?. <i>Water Research</i> , <b>2011</b> , 45, 913-25	12.5	109
94	Removal of emerging micropollutants from wastewater by activated carbon adsorption: Experimental study of different activated carbons and factors influencing the adsorption of micropollutants in wastewater. <i>Journal of Environmental Chemical Engineering</i> , <b>2016</b> , 4, 1102-1109	6.8	99
93	Priority pollutants in urban stormwater: part 2 - case of combined sewers. <i>Water Research</i> , <b>2012</b> , 46, 6693-703	12.5	98
92	Contributions of wastewater, runoff and sewer deposit erosion to wet weather pollutant loads in combined sewer systems. <i>Water Research</i> , <b>2010</b> , 44, 5875-86	12.5	92
91	Hydrocarbons and heavy metals in the different sewer deposits in the 'Le Marais' catchment (Paris, France): stocks, distributions and origins. <i>Science of the Total Environment</i> , <b>2004</b> , 323, 107-22	10.2	90
90	Impact of runoff infiltration on contaminant accumulation and transport in the soil/filter media of Sustainable Urban Drainage Systems: A literature review. <i>Science of the Total Environment</i> , <b>2016</b> , 569-570, 904-926	10.2	74
89	Heavy metal concentrations in dry and wet atmospheric deposits in Paris district: comparison with urban runoff. <i>Science of the Total Environment</i> , <b>1999</b> , 235, 235-245	10.2	73
88	Priority and emerging pollutants in sewage sludge and fate during sludge treatment. <i>Waste Management</i> , <b>2014</b> , 34, 1217-26	8.6	62
87	Spatial variability of the characteristics of combined wet weather pollutant loads in Paris. <i>Water Research</i> , <b>2008</b> , 42, 539-49	12.5	58
86	Relationship between turbidity and total suspended solids concentration within a combined sewer system. <i>Water Science and Technology</i> , <b>2011</b> , 64, 2445-52	2.2	57
85	Towards the determination of an optimal scale for stormwater quality management: micropollutants in a small residential catchment. <i>Water Research</i> , <b>2012</b> , 46, 6799-810	12.5	52

84	Fate of emerging and priority micropollutants during the sewage sludge treatment: Case study of Paris conurbation. Part 1: Contamination of the different types of sewage sludge. <i>Waste Management</i> , <b>2017</b> , 59, 379-393	8.6	51
83	A street deposit sampling method for metal and hydrocarbon contamination assessment. <i>Science of the Total Environment</i> , <b>1999</b> , 235, 211-20	10.2	51
82	Analysis of quaternary ammonium compounds in urban stormwater samples. <i>Environmental Pollution</i> , <b>2012</b> , 164, 150-7	9.3	49
81	First assessment of triclosan, triclocarban and paraben mass loads at a very large regional scale: case of Paris conurbation (France). <i>Science of the Total Environment</i> , <b>2014</b> , 493, 854-61	10.2	48
80	Nonpoint source pollution of urban stormwater runoff: a methodology for source analysis. <i>Environmental Science and Pollution Research</i> , <b>2014</b> , 21, 10225-42	5.1	48
79	Hydrocarbons and Metals in Atmospheric Deposition and Roof Runoff in Central Paris. <i>Water, Air, and Soil Pollution</i> , <b>2004</b> , 159, 67-86	2.6	46
78	The experimental urban catchment "Le Marais" in Paris: what lessons can be learned from it?. <i>Journal of Hydrology</i> , <b>2004</b> , 299, 312-323	6	45
77	Production and transport of urban wet weather pollution in combined sewer systems: the "Marais" experimental urban catchment in Paris. <i>Urban Water</i> , <b>2001</b> , 3, 3-15		45
76	The first flush in sewer systems. <i>Water Science and Technology</i> , <b>1996</b> , 33, 101-108	2.2	41
75	Spatial distribution of heavy metals in the surface soil of source-control stormwater infiltration devices - Inter-site comparison. <i>Science of the Total Environment</i> , <b>2017</b> , 579, 881-892	10.2	40
74	Annual metallic flows in roof runoff from different materials: test-bed scale in Paris conurbation. <i>Environmental Science &amp; Technology</i> , <b>2009</b> , 43, 5612-8	10.3	37
73	A new approach of monitoring and physically-based modelling to investigate urban wash-off process on a road catchment near Paris. <i>Water Research</i> , <b>2016</b> , 102, 96-108	12.5	35
72	Application of MCMC-SA model calibration method to urban runoff quality modeling. <i>Reliability Engineering and System Safety</i> , <b>2006</b> , 91, 1398-1405	6.3	33
71	Biofiltration vs conventional activated sludge plants: what about priority and emerging pollutants removal?. <i>Environmental Science and Pollution Research</i> , <b>2014</b> , 21, 5379-90	5.1	30
70	Influence of the land use pattern on the concentrations and fluxes of priority pollutants in urban stormwater. <i>Water Science and Technology</i> , <b>2011</b> , 64, 1450-8	2.2	29
69	Occurrence and removal of priority pollutants by lamella clarification and biofiltration. <i>Water Research</i> , <b>2010</b> , 44, 3065-76	12.5	28
68	Determination of aliphatic hydrocarbons in urban runoff samples from the "Le Marais" experimental catchment in Paris centre. <i>Water Research</i> , <b>2002</b> , 36, 1275-85	12.5	28
67	Efficiency of source control systems for reducing runoff pollutant loads: feedback on experimental catchments within Paris conurbation. <i>Water Research</i> , <b>2014</b> , 57, 234-46	12.5	26

66	Impacts from urban water systems on receiving waters - How to account for severe wet-weather events in LCA?. <i>Water Research</i> , <b>2018</b> , 128, 412-423	12.5	25
65	Assessment of annual pollutant loads in combined sewers from continuous turbidity measurements: sensitivity to calibration data. <i>Water Research</i> , <b>2009</b> , 43, 2179-90	12.5	25
64	Design of a retention tank: comparison of stormwater quality models with various levels of complexity. <i>Water Science and Technology</i> , <b>2006</b> , 54, 231-8	2.2	25
63	Alkylphenols in atmospheric depositions and urban runoff. <i>Water Science and Technology</i> , <b>2011</b> , 63, 671-2.2	2.2	23
62	Sources and erosion of organic solids in a combined sewer. <i>Urban Water</i> , <b>2000</b> , 2, 305-315		23
61	Benzalkonium runoff from roofs treated with biocide products - In situ pilot-scale study. <i>Water Research</i> , <b>2015</b> , 81, 279-87	12.5	20
60	Estimation of settling velocities. <i>Water Research</i> , <b>1998</b> , 32, 3461-3471	12.5	19
59	New insights into the urban washoff process with detailed physical modelling. <i>Science of the Total Environment</i> , <b>2016</b> , 573, 924-936	10.2	18
58	Hydrocarbon pollution fixed to combined sewer sediment: a case study in Paris. <i>Chemosphere</i> , <b>2004</b> , 54, 795-804	8.4	18
57	The quality of street cleaning waters: comparison with dry and wet weather flows in a Parisian combined sewer system. <i>Urban Water</i> , <b>2000</b> , 2, 39-46		18
56	Removal of alkylphenols and polybromodiphenylethers by a biofiltration treatment plant during dry and wet-weather periods. <i>Water Science and Technology</i> , <b>2012</b> , 65, 1591-8	2.2	17
55	Reproducibility and uncertainty of wastewater turbidity measurements. <i>Water Science and Technology</i> , <b>2008</b> , 57, 1667-73	2.2	17
54	Determination of Polycyclic Aromatic Hydrocarbons in Urban Runoff Samples from the Île de la Marais Experimental Catchment in Paris Centre. <i>Polycyclic Aromatic Compounds</i> , <b>2000</b> , 20, 1-19	1.3	17
53	Integrating atmospheric deposition, soil erosion and sewer transport models to assess the transfer of traffic-related pollutants in urban areas. <i>Environmental Modelling and Software</i> , <b>2017</b> , 96, 158-171	5.2	16
52	Temporal evolution of urban wet weather pollution: analysis of PCB and PAH in sediment cores from Lake Bourget, France. <i>Water Science and Technology</i> , <b>2008</b> , 57, 1503-10	2.2	15
51	Modeling In-Sewer Deposit Erosion to Predict Sewer Flow Quality. <i>Journal of Hydraulic Engineering</i> , <b>2003</b> , 129, 316-324	1.8	15
50	Assessment of the contribution of sewer deposits to suspended solids loads in combined sewer systems during rain events. <i>Environmental Science and Pollution Research</i> , <b>2014</b> , 21, 5311-7	5.1	14
49	Assessment of metal and PAH profiles in SUDS soil based on an improved experimental procedure. <i>Journal of Environmental Management</i> , <b>2017</b> , 202, 151-166	7.9	14

48	Contribution of atmospheric dry deposition to stormwater loads for PAHs and trace metals in a small and highly trafficked urban road catchment. <i>Environmental Science and Pollution Research</i> , <b>2017</b> , 24, 26497-26512	5.1	14
47	Wastewater quality and pollutant loads in combined sewers during dry weather periods. <i>Urban Water Journal</i> , <b>2008</b> , 5, 305-314	2.3	14
46	Influence of effluent organic matter on copper speciation and bioavailability in rivers under strong urban pressure. <i>Environmental Science and Pollution Research</i> , <b>2015</b> , 22, 19461-72	5.1	13
45	Spatial variability of polycyclic aromatic hydrocarbon load of urban wet weather pollution in combined sewers. <i>Water Science and Technology</i> , <b>2006</b> , 54, 185-93	2.2	13
44	Identification of in-sewer sources of organic solids contributing to combined sewer overflows. <i>Environmental Technology (United Kingdom)</i> , <b>2002</b> , 23, 1063-73	2.6	13
43	Origins and characteristics of urban wet weather pollution in combined sewer systems: the experimental urban catchment [Le Marais] in Paris. <i>Water Science and Technology</i> , <b>1998</b> , 37, 35-43	2.2	13
42	Investigation of the wash-off process using an innovative portable rainfall simulator allowing continuous monitoring of flow and turbidity at the urban surface outlet. <i>Science of the Total Environment</i> , <b>2017</b> , 609, 17-26	10.2	12
41	Potential of turbidity monitoring for real time control of pollutant discharge in sewers during rainfall events. <i>Water Science and Technology</i> , <b>2009</b> , 59, 1471-8	2.2	12
40	Numerical modelling of bed load sediment traps in sewer systems by density currents. <i>Water Science and Technology</i> , <b>1999</b> , 39, 153	2.2	11
39	Zn and Pb emissions from roofing materials--modelling and mass balance attempt at the scale of a small urban catchment. <i>Water Science and Technology</i> , <b>2011</b> , 63, 2590-7	2.2	10
38	HYDROCARBON LOADS FROM STREET CLEANING PRACTICES: COMPARISON WITH DRY AND WET WEATHER FLOWS IN A PARISIAN COMBINED SEWER SYSTEM. <i>Polycyclic Aromatic Compounds</i> , <b>2005</b> , 25, 169-181	1.3	9
37	Methods for determining the settling velocity profiles of solids in storm sewage. <i>Water Science and Technology</i> , <b>1996</b> , 33, 117-125	2.2	9
36	Evaluation of the Performance and the Predictive Capacity of Build-Up and Wash-Off Models on Different Temporal Scales. <i>Water (Switzerland)</i> , <b>2016</b> , 8, 312	3	9
35	Horizontal and Vertical Variability of Soil Hydraulic Properties in Roadside Sustainable Drainage Systems (SuDS) Nature and Implications for Hydrological Performance Evaluation. <i>Water (Switzerland)</i> , <b>2018</b> , 10, 987	3	9
34	Assessment of total suspended solids (TSS) event load and its uncertainties in combined sewer system from continuous turbidity measurements. <i>Urban Water Journal</i> , <b>2017</b> , 14, 789-796	2.3	8
33	Bed shear stress evaluation in combined sewers. <i>Urban Water Journal</i> , <b>2008</b> , 5, 219-229	2.3	8
32	Physically-based urban stormwater quality modelling: An efficient approach for calibration and sensitivity analysis. <i>Journal of Environmental Management</i> , <b>2019</b> , 246, 462-471	7.9	7
31	Accounting for the Spatio-Temporal Variability of Pollutant Processes in Stormwater TSS Modeling Based on Stochastic Approaches. <i>Water (Switzerland)</i> , <b>2018</b> , 10, 1773	3	7

30	Settling velocity of particulate pollutants from combined sewer wet weather discharges. <i>Water Science and Technology</i> , <b>2008</b> , 58, 2453-65	2.2	6
29	Sizing Ratios for Stormwater Treatment Facilities <b>2002</b> , 1		6
28	Stochastic evaluation of annual micropollutant loads and their uncertainties in separate storm sewers. <i>Environmental Science and Pollution Research</i> , <b>2017</b> , 24, 28205-28219	5.1	5
27	Efficiency of a turbidity-based, real-time control strategy applied to a retention tank: a simulation study. <i>Water Science and Technology</i> , <b>2011</b> , 64, 1533-9	2.2	5
26	Contribution of domestic effluents to hydrocarbon levels of dry weather flow in combined sewers. <i>Urban Water Journal</i> , <b>2006</b> , 3, 225-233	2.3	5
25	REVIEW ON THE HYDROCARBON FATE WITHIN COMBINED SEWERS: CASE OF THE [LE MARAIS] URBAN CATCHMENT (1994-2005). <i>Polycyclic Aromatic Compounds</i> , <b>2007</b> , 27, 123-141	1.3	5
24	An assessment of the respective contributions of flow-rate and concentration variations to mass discharge variations at the outlets of two combined catchments during rain events. <i>Urban Water Journal</i> , <b>2015</b> , 12, 653-659	2.3	4
23	Analysis of the methods for determining the settling characteristics of sewage and stormwater solids. <i>Water Science and Technology</i> , <b>1998</b> , 37, 53-60	2.2	4
22	Evaluation des incertitudes de mesure des concentrations en polluants en r�seau d'assainissement. <i>Houille Blanche</i> , <b>2001</b> , 87, 109-114	0.3	4
21	Zirconium deficit as a tracer of urban sediment accumulation in Sustainable Urban Drainage Systems - Application to the calibration of a filtration model. <i>Science of the Total Environment</i> , <b>2018</b> , 644, 941-953	10.2	3
20	Characterization of Solids Transferred into Sewer Trunks during Wet Weather. <i>Water Science and Technology</i> , <b>1990</b> , 22, 231-238	2.2	3
19	An Investigation of the Accuracy of EC5 and 5TE Capacitance Sensors for Soil Moisture Monitoring in Urban Soils-Laboratory and Field Calibration. <i>Sensors</i> , <b>2020</b> , 20,	3.8	3
18	Do storm event samples bias the comparison between sewer deposits contribution?. <i>Water Science and Technology</i> , <b>2017</b> , 75, 271-280	2.2	2
17	A new method for modelling roofing materials emissions on the city scale: application for zinc in the City of Cr�teil (France). <i>Environmental Science and Pollution Research</i> , <b>2014</b> , 21, 5284-96	5.1	2
16	Effects of Using Different Sources of Remote Sensing and Geographic Information System Data on Urban Stormwater 2D/1D Modeling. <i>Applied Sciences (Switzerland)</i> , <b>2017</b> , 7, 904	2.6	2
15	Research of trace metals as markers of entry pathways in combined sewers. <i>Water Science and Technology</i> , <b>2011</b> , 63, 633-40	2.2	2
14	Sterols: a tracer of organic matter in combined sewers. <i>Water Science and Technology</i> , <b>2008</b> , 57, 1705-12	2.2	2
13	Pr�cision et reproductibilit� du mesurage de la turbidit� des eaux r�siduelles urbaines sur �chantillons. <i>Houille Blanche</i> , <b>2006</b> , 92, 129-135	0.3	2

12	Development and Assessment of the Physically-Based 2D/1D Model <b>IRENOE</b> for Urban Stormwater Quantity and Quality Modelling. <i>Water (Switzerland)</i> , <b>2016</b> , 8, 606	3	2
11	Dynamics of pollutant discharge in combined sewer systems during rain events: chance or determinism?. <i>Water Science and Technology</i> , <b>2014</b> , 69, 1751-8	2.2	1
10	Contribution of different sources to the hydrocarbon pollution during a rain event at the scale of an experimental catchment in Paris centre. <i>Urban Water Journal</i> , <b>2004</b> , 1, 263-273	2.3	1
9	Utilisation des modèles de calcul des flux polluants en assainissement [Résultats d'une enquête en France. <i>Houille Blanche</i> , <b>2007</b> , 93, 94-98	0.3	1
8	Stockage/utilisation des eaux de pluie : Quelle(s) incidence(s) des pratiques d'entretien des toitures sur la qualité et le potentiel d'usage des eaux de ruissellement ?. <i>Cahiers De L Association Scientifique Européenne Pour L Eau Et La Santé</i> , <b>2009</b> , 14, 45-53		1
7	Evaluation of contaminant retention in the soil of sustainable drainage systems: methodological reflections on the determination of sorption isotherms. <i>Blue-Green Systems</i> , <b>2019</b> , 1, 1-17	5.2	1
6	Base de données sur la qualité des rejets urbains de temps de pluie (QASTOR) : distribution de la pollution rejetée, dimensions des ouvrages d'interception. <i>Houille Blanche</i> , <b>1996</b> , 82, 15-20	0.3	
5	De l'utilisation pertinente des modèles de calcul des flux polluants en réseaux d'assainissement urbains. <i>Houille Blanche</i> , <b>2007</b> , 93, 105-111	0.3	
4	Evaluation des modèles de calcul des flux polluants des rejets urbains par temps de pluie. <i>Houille Blanche</i> , <b>2007</b> , 93, 99-104	0.3	
3	Pollution en hydrocarbures transitant par temps sec et par temps de pluie dans le réseau d'assainissement unitaire parisien. <i>Houille Blanche</i> , <b>2007</b> , 93, 85-91	0.3	
2	Hydrological Modelling of a Road-Side Vegetated Filter Strip: Validation of a Coupled 2D Subsurface Flow and 1D Overland Flow Model. <i>Green Energy and Technology</i> , <b>2019</b> , 475-479	0.6	
1	Efficient Calibration and Validation of Physical Stormwater Quality Modelling by Meta-model Based Approach. <i>Green Energy and Technology</i> , <b>2019</b> , 429-434	0.6	