

## Liste des publications

### A. Articles publiés dans des revues avec comité de lecture:

1. J.M. De Koninck, *On a class of arithmetical functions*, Duke Math. J., **39** (1972), 807-818.
2. J.M. De Koninck, *Sums of quotients of additive functions*, Proc. Amer. Math. Soc. **44** (1974), 35-38.
3. J.M. De Koninck, *Note on a function similar to  $n!$* , Math. Mag. **47** (1974), 226.
4. J.M. De Koninck and J. Galambos, *Sums of reciprocals of additive functions*, Acta Arith. **25** (1974), 159-164.
5. J.M. De Koninck et A. Mercier, *Remarque sur un article de T.M. Apostol*, Bull. Can. Math. **20** (1977), 77-88.
6. J.M. De Koninck, *Some remarks on additive functions*, J. Nat. Sc. Math. **17** (1977), 31-41.
7. J.M. De Koninck and D. Hensley, *Sums taken over  $n \leq x$  with prime factors  $\leq y$  of  $z^{\Omega(n)}$ , and their derivatives with respect to  $z$* , J. Indian Math. Soc. **42** (1978), 353-365.
8. J.M. De Koninck and A. Ivić, *An asymptotic formula for reciprocals of logarithms of certain multiplicative functions*, Bull. Can. Math. **21** (1978), 409-413.
9. J.M. De Koninck and A. Ivić, *Sums of reciprocals of certain additive functions*, Manuscripta Math. **30** (1980), 329-341.
10. J.M. De Koninck, P. Erdős and A. Ivić, *Reciprocals of certain large additive functions*, Bull. Can. Math. **24** (1981), 225-231.
11. J.M. De Koninck et A. Ivić, *Somme de réciproques de grandes fonctions additives*, Publ. Inst. Math. Belgrade **49** (1984), 41-48.
12. J.M. De Koninck and A. Ivić, *The distribution of the average prime divisor of an integer*, Archiv der Math. **43** (1984), 37-43.
13. J.M. De Koninck and A. Ivić, *On the distance between consecutive divisors of an integer*, Bull. Can. Math. **29** (1986), 208-217.
14. J.M. De Koninck and R. Sitaramachandrarao, *Sums involving the largest prime divisor of an integer*, Acta Arith. **48** (1987), 1-8.
15. J.M. De Koninck and J. Galambos, *The intermediate prime divisors of integers*, Proc. Amer. Math. Soc. **101** (1987), 213-216.
16. J.M. De Koninck and J. Galambos, *Some randomly selected arithmetical sums*, Acta Math. Hung. **52** (1988), 37-43.

17. J.M. De Koninck and R. Sitaramachandrarao, *Sums involving the largest prime divisor of an integer II*, Indian J. Pure and Applied Math. **19** (1988), 990-1004.
18. J.M. De Koninck et A. Mercier, *Les fonctions arithmétiques et le plus grand facteur premier*, Acta Arith. **52** (1989), 25-48.
19. J.M. De Koninck and A. Ivić, *The average prime divisor of an integer in short intervals*, Archiv der Math. **52** (1989), 440-448.
20. J.M. De Koninck, I. Kátai and A. Mercier, *Additive functions and the largest prime factor of integers*, J. Number Theory **33** (1989), 293-310.
21. J.M. De Koninck et A. Mercier, *Fonctions arithmétiques tronquées*, Acta Math. Hung. **56** (1990), 211-224.
22. J.M. De Koninck, I. Kátai and A. Mercier, *Continuity module of the distribution of additive functions related to the largest prime factors of integers*, Archiv der Math. **55** (1990), 450-461.
23. J.M. De Koninck and A. Ivić, *Random sums related to prime divisors of an integer*, Publi. Inst. Math. (Belgrade) **62** (1990), 7-24.
24. J.M. De Koninck and A. Ivić, *On the average prime factor of an integer and some related problems*, Ricerche di Matematica **39** (1990), 131-140.
25. J.M. De Koninck, I. Kátai and A. Mercier, *Additive functions monotonic on the set of primes*, Acta Arith. **57** (1991), 41-68.
26. J.M. De Koninck, I. Kátai and A. Mercier, *Additive functions monotonic on the set of primes II*, J. Can. Math. **43** (1991), 705-720.
27. J.M. De Koninck, I. Kátai and A. Mercier, *On the normal growth of prime factors of integers*, J. Can. Math., **44** (1992), 1121-1154.
28. J.M. De Koninck, *Sur les plus grands facteurs premiers d'un entier*, Monatshefte für Mathematik, **116** (1993), 13-37.
29. J.M. De Koninck, *On the largest prime divisors of an integer*, Proceedings of the Conference on Extreme Value Theory and Applications, Vol. 1, Gaithersburg Maryland, 1994, 447-462.
30. J.M. De Koninck and A. Ivić, *Arithmetic characterization of regularly varying functions*, Ricerche di Matematica, **44** (1995), 41-64.
31. J.M. De Koninck and I. Kátai, *On the distribution of subsets of primes in the prime factorization of integers*, Acta Arithmetica, **72** (1995), 169-200.
32. J.M. De Koninck et J. Grah, *Moyennes sur certains ensembles de diviseurs d'un entier*, L'Enseignement mathématique **42** (1996), 97-123.

33. J.M. De Koninck and A. Ivić, *Arithmetic functions defined on sets of primes of positive density*, *Mathematica Balkanica*, **10** (1996), 1-15.
34. J.M. De Koninck, I. Kátai and B.M. Phong, *A new characteristic of the identity function*, *J. of Number Theory* **63** (1997), 325-338.
35. J.M. De Koninck and A. Ivić, *On a Sum of Divisors Problem*, *Publ. Inst. Math. Belgrade* **64(78)** (1998), 9-20.
36. J.M. De Koninck and J. Grah, *Arithmetic functions and weighted averages*, *Colloquium Mathematicum* **79** (1999), 249-272.
37. J.M. De Koninck et B. Hodgson, *Ces nombres qui nous fascinent*, dans *Mathématiques d'hier et d'aujourd'hui*, Collection ASTROÏDE, 69-90, MODULO, 2000.
38. J.M. De Koninck and J. Sweeney, *On the unimodal character of the frequency function of the largest prime factor*, *Colloquium Mathematicum* **88**, no. 2, (2001), 159-174.
39. J.M. De Koninck and N. Doyon, *On a very thin sequence of integers*, *Annales Rolando Eötvös Nominatae* **20** (2001), 157-177.
40. J.M. De Koninck and I. Kátai, *On the frequency of  $k$ -deficient numbers*, *Publicationes Mathematicae Debrecen* **61** (2002), 595-602.
41. J.M. De Koninck et G. Tenenbaum, *Sur la loi de répartition du  $k$ -ième facteur premier d'un entier*, *Math. Proc. Cambridge Philo. Soc.* **133** (2002), no. 2, 191-204.
42. J.M. De Koninck, *On the solutions of  $\sigma_2(n) = \sigma_2(n + \ell)$* , *Ann. Univ. Sci. Budapest Sect. Comput.* **21** (2002), 127-133.
43. J.M. De Koninck, *Ces mathématiques qui nous font grandir!*, *Bull. Assoc. Math. Québec* **42** (2002), 17-26.
44. J.M. De Koninck and N. Doyon, *On the number of Niven numbers up to  $x$* , *The Fibonacci Quarterly* **41**, Nov. 2003, 431-440.
45. J.M. De Koninck, N. Doyon and I. Kátai, *On the counting function for the Niven numbers*, *Acta Arithmetica* **106** (2003), 265-275.
46. J.M. De Koninck et N. Doyon, *À propos de l'indice de composition des nombres*, *Monatshefte für Mathematik* **139** (2003), 151-167.
47. J.M. De Koninck and N. Doyon, *On a thin set of integers involving the largest prime factor function*, *International Journal of Mathematics and Mathematical Sciences* **19** (2003), 1185-1192.
48. J.M. De Koninck and N. Doyon, *Large and small gaps between consecutive Niven numbers*, *Journal of Integer Sequences Vol. 6* (2003), Article 03.2.5.
49. N. Bassily, J.M. De Koninck and I. Kátai, *On a theorem of Daboussi related to the set of Gaussian integers*, *Mathematica Pannonica* **14** (2003), 267-272.

50. J.M. De Koninck and F. Luca, *On the difference of values of the kernel function at consecutive integers*, International Journal of Mathematics and Mathematical Sciences **67** (2003), 4249-4262.
51. J.M. De Koninck, *Computational problems and queries in number theory*, Annales Rolando Eötvös Nominatae **23** (2004), 149-161.
52. J.M. De Koninck et F. Luca, *Sur la proximité des nombres puissants*, Acta Arithmetica **114** (2004), 149-157.
53. J.M. De Koninck and I. Kátai, *On the multiplicative group generated by shifted binary quadratic forms*, Ann. Univ. Sci. Budapest Sect. Comput. **47** (2004), 17-28.
54. J.M. De Koninck and I. Kátai, *On the distribution modulo 1 of the values of  $F(n) + \alpha\sigma(n)$* , Publicationes Mathematicae Debrecen **66** (2005), 121-128.
55. J.M. De Koninck, F. Luca and I.E. Shparlinski, *Powerful Numbers in Short Intervals*, Bulletin of the Australian Math. Soc. **71**, No. 1 (2005), 11-16.
56. J.M. De Koninck and I. Kátai, *On the mean value of the index of composition of an integer*, Monatshefte für Mathematik **145** (2005), no. 2, 131-144.
57. J.M. De Koninck and F. Luca, *Integers representable as the sum of powers of their prime factors*, Functiones et Approximatio **23** (2005), 57-72.
58. J.M. De Koninck and F. Luca, *On strings of consecutive economical numbers of arbitrary length*, Integers **5** (2005), #A5.
59. J.M. De Koninck and I. Kátai, *On the average of  $d(n)\omega(n)$  and similar functions on short intervals*, Annales Univ. Sci. Budapestinensis, Sect. Comp. **25** (2005), 131-142.
60. J.M. De Koninck, F. Luca and L. Szalay, *A Schinzel Hypothesis H type of result for economical numbers*, Annales des Sciences mathématiques du Québec **29** (2005), no.1, 35-39.
61. J.M. De Koninck and F. Luca, *Integers divisible by the sum of their prime factors*, Mathematika **52** (2005), no. 1-2, 69-77 (2006).
62. J.M. De Koninck and I. Kátai, *On the local distribution of certain arithmetic functions*, Lietuvos Matematikos Rinkiny **46** (2006), 315-331.
63. J.M. De Koninck, F. Luca and A. Sankaranarayanan, *Positive integers  $n$  whose Euler function is a power of their kernel function*, Rocky Mountain Journal of Mathematics **36**, no.1 (2006), 81-96.
64. J.M. De Koninck and F. Luca, *Counting the number of economical numbers*, Publicationes Mathematicae Debrecen **68** (2006), 97-113.
65. J.M. De Koninck, I. Kátai and M.V. Subbarao, *A consequence of a Theorem of Filaseta*, Annales des Sciences mathématiques du Québec **30** (2006), 55-62.

66. J.M. De Koninck and I. Kátai, *Sums of reciprocals of additive functions running over short intervals*, Colloquium Mathematicum **107** (2007), 317-326.
67. J.M. De Koninck and F. Luca, *Partial sums of powers of prime factors*, Journal of Integer Sequences **10** (2007), Article 07.1.6.
68. J.M. De Koninck and F. Luca, *Positive integers divisible by the product of their non zero digits* Portugaliae Mathematica, **64**, no.1 (2007), 75-85.
69. J.M. De Koninck, I. Kátai and M.V. Subbarao, *On the index of composition of integers from various sets*, Archiv der Mathematik **88** (2007), 524-536.
70. J.M. De Koninck and F. Luca, *On the composition of the Euler function and the sum of the divisors function*, Colloquium Mathematicum **108** (2007), 31-51.
71. J.M. De Koninck, N. Doyon et F. Luca, *Sur la quantité de nombres économiques*, Acta Arithmetica **127** (2007), 125-143.
72. J.M. De Koninck and I. Kátai, *Distribution of arithmetic functions on certain subsets of integers*, Rocky Mountain Journal of Mathematics **37** (2007), no. 5, 1459-1482.
73. J.M. De Koninck and N. Doyon, *On the set of Wieferich primes and of its complement*, Annales Univ. Sci. Budapestinensis Sectio Computatorica **27** (2007), 3-13.
74. J.M. De Koninck and I. Kátai, *On an estimate of Kanold*, Int. J. Math. Anal. 5/8 (2007), no. 1-12, 9-18.
75. J.M. De Koninck and F. Luca, *Integers divisible by sums of powers of their prime factors*, J. Number Theory **128**, no.3 (March), (2008), 557-563.
76. J.M. De Koninck and F. Luca, *Positive integers  $n$  such that  $\sigma(\phi(n)) = \sigma(n)$* , Journal of Integer Sequences **11** (2008), no.1 (Jan), Article 08.1.5, 14 pp.
77. J.M. De Koninck, N. Doyon and P. Letendre, *On the distribution of the number of digits needed to write the factorization of an integer*, Annales Universitatis Budapestinensis Sectio Computatorica **28** (June) (2008), 197-212.
78. J.M. De Koninck and F. Luca, *On the difference of arithmetic functions at consecutive arguments*, Anatomy of Integers, CRM Proceedings and Lecture Notes, AMS, Vol 46 (June) (2008), 179-189.
79. J.M. De Koninck, N. Doyon and I. Kátai, *Counting the number of twin Niven numbers*, Ramanujan J. **17** (2008), no. 1 (Oct), 89-105.
80. J.M. De Koninck, J. Friedlander and F. Luca, *On Strings of Consecutive Integers with a Distinct Number of Prime Factors*, Proc. Amer. Math. Soc. **137** (2009), no. 5 (May), 1585-1592.
81. J.M. De Koninck and F. Luca, *On the index of composition of the Euler function*, Journal of Australian Mathematics, **86** (2009), No.2 (April), 155-167.

82. J.M. De Koninck and F. Luca, *The product of exponents in the factorization of consecutive integers*, *Mathematika* **55** (2009), no.1-2 (Dec), 59-65.
83. J.M. De Koninck and N. Doyon, *Esthetic numbers*, *Annales des Sciences mathématiques du Québec* **33** (2009), no.2 (Dec), 155-164.
84. J.M. De Koninck and I. Kátai, *Some Remarks on a paper of L. Toth*, *Journal of Integer Sequences* **13** (2010), no.1 (Jan), Article 10.1.2, 26 pages.
85. J.M. De Koninck and I. Kátai, *On the coprimality of some arithmetic functions*, *Publications de l'Institut Mathématique* **87** (2010), (Feb), 121-128.
86. J.M. De Koninck and F. Luca, *On sums of powers of prime factors of an integer*, *Annales Univ. Sci. Budapest. Sect. Comp.* **32** (2010), (July), 13-21.
87. J.M. De Koninck and I. Kátai, *On a theorem of Daboussi related to the set of Gaussian integers II*, *Mathematica Pannonica* **21** (2010), No.2 (June), 207-213.
88. J.M. De Koninck and I. Kátai, *Exponential sums involving the largest prime factor function*, *Acta Arithmetica* **146** (2011), (May), 233-245.
89. J.M. De Koninck and I. Kátai, *On the local distribution of the number of prime factors of  $(n, \varphi_k(n))$* , *Advances and Applications in Mathematical Sciences* **9** (2011), No.1 (Jan), 71-83.
90. J.M. De Koninck, N. Doyon and F. Luca, *Powerful values of quadratic polynomials*, *Journal of Integer Sequences*, Vol. 14 (2011), No.3 (May), Article 11.3.3, 11 pages
91. J.M. De Koninck, N. Doyon and I. Kátai, *Arithmetic functions evaluated at polynomial values*, *Ann. Univ. Sci. Budapest Sect. Comput.* **34** (2011), (July), 95-114.
92. J.M. De Koninck and I. Kátai, *On the asymptotic value of the irrational factor*, *Annales des Sciences Mathématiques du Québec* **35** (2011), No. 1 (June), 117-121.
93. J.M. De Koninck and I. Kátai, *Construction of normal numbers by classified prime divisors of integers*, *Functiones et Approximatio* **45** (2011), No.2 (Dec), 231-253.
94. J.M. De Koninck and I. Kátai, *Arithmetic functions and their coprimality*, *Functiones et Approximatio* **45** (2011), No.1 (Sept), 55-66.
95. J.M. De Koninck and N. Doyon, *On the distance between smooth numbers*, *Integers* **11** (2011), #A25 (April), 1-22.
96. J.M. De Koninck and I. Kátai, *On a problem on normal numbers raised by Igor Shparlinski*, *Bulletin of the Australian Mathematical Society* **84** (2011), No.2 (Oct), 337-349.
97. J.M. De Koninck, I. Diouf and N. Doyon, *On the truncated kernel function*, *Journal of Integers Sequences*, vol. 15 (2012), No.3 (Mar), Article 12.3.2, 17 pages.
98. J.M. De Koninck and I. Kátai, *Normal numbers created from primes and polynomials*, *Uniform Distribution Theory* **7** (2012), No.2 (July), 1-20.

99. J.M. De Koninck and I. Kátai, *Exponential sums and arithmetic functions at polynomial values*, Lithuanian Mathematical Journal, Vol. 52 (2012), No.2 (April), 138–144.
100. J.M. De Koninck and I. Kátai, *Some new methods for constructing normal numbers*, Annales des Sciences Mathématiques du Québec **36** (2012), No.2 (Dec), 349-359.
101. J.M. De Koninck and I. Kátai, *Distribution of consecutive digits in the  $q$ -ary expansions of some subsequences of integers II*, Analytic and probabilistic methods in number theory, 101-110, TEV, Vilnius, July 2012.
102. J.M. De Koninck and I. Kátai, *Construction of normal numbers by classified prime divisors of integers II*, Funct. Approx. Comment. Math. **49** (2013), No. 1 (Sept), 7–27.
103. K.A. Broughan, J.M. De Koninck, I. Kátai and F. Luca, *On integers for which the sum of divisors is the square of the squarefree core*, Journal of Integer Sequences **15** (2012), No.7 (Sept), Article 12.7.5, 12 pages.
104. J.M. De Koninck and I. Kátai, *On the distribution of the values of additive functions over integers with a fixed number of distinct prime factors*, Albanian Journal of Mathematics **6** (2012), No.2, 75-86.
105. J.M. De Koninck and I. Kátai, *The distribution of additive functions in short intervals on the set of shifted integers having a fixed number of prime factors*, Annales Univ. Sci. Budapest, Sect. Comput. **38** (2012), (July), 57-70.
106. J.M. De Koninck and I. Kátai, *Exponential sums involving the  $k$ -th largest prime factor function*, Journal of Integer Sequences, **16** (2013), No.2 (Feb), Article 13.2.16, 13 pages.
107. J.M. De Koninck and I. Kátai, *Construction of normal numbers using the distribution of the  $k$ -th largest prime factor*, Bull. Australian Mathematical Society **88** (2013), No. 1 (August), 158–168.
108. J.M. De Koninck and I. Kátai, *Using large prime divisors to construct normal numbers*, Annales Univ. Sci. Budapest, Sect. Comput. **39** (2013), (July), 45–62.
109. J.M. De Koninck and I. Kátai, *Prime-like sequences leading to the construction of normal numbers*, Funct. Approx. Comment. Math. **49** (2013), No.2 (Dec), 291-302.
110. J.M. De Koninck and I. Kátai, *The uniform distribution mod 1 of sequences involving the largest prime factor function*, Siauliai Math. Semin., 8(16) (2013), (Jan), 117-129.
111. J.M. De Koninck and F. Luca, *On the middle prime factor of an integer*, Journal of Integer Sequences, Vol. 16 (2013), No.5 (June), Article 13.5.5, 10 pages.
112. J.M. De Koninck, N. Doyon, F. Luca, *Consecutive integers divisible by the square of their largest prime factors*, Journal of Combinatorics and Number Theory, **5** (2013), No.2 (June), 81-93.

113. J.M. De Koninck and I. Kátai, *Exponential sums involving arithmetic functions and shifted primes*, Journal of Combinatorics and Number Theory, **6** (2014), no. 2, 77–84.
114. J.M. De Koninck and I. Kátai, *Normal numbers and the middle prime factor of an integer*, Colloquium Mathematicum **135** (2014), No.1 (Jan), 69–77.
115. J.M. De Koninck and I. Kátai, *Constructing normal numbers using residues of selective prime factors of integers*, Annales Univ. Sci. Budapest., Sect. Comp. **42** (2014), 127–133.
116. J.M. De Koninck and I. Kátai, *The number of prime factors function on shifted primes and normal numbers*, Topics in Mathematical Analysis and Applications, Series: Springer Optimization and Its Applications, Rassias, Themistocles M., Tóth, László (Eds.) Springer, Volume 94, 2014, 315–326.
117. J.M. De Koninck and F. Luca, *Arithmetic functions monotonic at consecutive arguments*, Studia Scientiarum Mathematicarum Hungarica, **51** (2014), No.2 (June), 155–164.
118. J.M. De Koninck and I. Kátai, *Normal numbers generated using the smallest prime factor function*, Annales mathématiques du Québec **38** (2014), No.2 (Dec), 133–144.
119. J.M. De Koninck and I. Kátai, *Complex roots of unity and normal numbers*, Journal of Numbers, Vol. 2014 (June), Article ID 437814, 4 pages.
120. M. E. Cloutier, J.M. De Koninck and N. Doyon, *On the powerful and squarefree parts of an integer*, Journal of Integer Sequences, Vol. 17 (2014), No.6 (August), Article 14.8.6, 28 pages.
121. J.M. De Koninck and I. Kátai, *The number of large prime factors of integers and normal numbers*, Publications mathématiques de Besançon, Année 2015, 5–12.
122. J.M. De Koninck, László Germán, and I. Kátai, *On the convolution of the Liouville function under the existence of Siegel zeros*, Lithuanian Mathematical Journal, **55** (2015), no. 3, July, 331–342.
123. J.M. De Koninck, N. Doyon and P. Letendre, *On the proximity of additive and multiplicative functions*, Functiones et Approximatio, **52** (2015), no. 2, 327–344.
124. J.M. De Koninck and V. Ouellet, *On the  $n$ -th element of a set of positive integers*, Annales Univ. Sci. Budapest Sect. Comput. **44** (2015), 153–164.
125. J.M. De Koninck and I. Kátai, *On a property of non Liouville numbers*, Acta Cybernetica, **22** (2015), no. 2, 335–347.
126. J.M. De Koninck and N. Doyon, *Additive and multiplicative functions with similar global behavior*, in CONTEMPORARY MATHEMATICS, Vol. 655, AMS, 2015, pp. 58–75.



127. J.M. De Koninck and I. Kátai, *Multidimensional sequences uniformly distributed modulo 1 created from normal numbers*; in CONTEMPORARY MATHEMATICS, Vol. 655, AMS, 2015, pp. 77–82.
128. J.M. De Koninck and I. Kátai, *About an unsolved problems involving normal numbers*, Annales Univ. Sci. Budapest Sect. Comput. **44** (2015), 227–232.
129. J.M. De Koninck, *The mysterious world of normal numbers*, in *Scalable uncertainty management*, Proceedings of the 9th International Conference (SUM 2015), Edited by Christoph Beierle and Alex Dekhtyar. Lecture Notes in Computer Science, 9310. Lecture Notes in Artificial Intelligence. Springer, Cham, 2015. xix + 420 pp.
130. J.M. De Koninck and I. Kátai, *Shifted values of the largest prime factor function and its average value in short intervals*, Colloquium Mathematicum **143** (2016), no. 1, 39–62.
131. J.M. De Koninck, I. Kátai and B.M. Phong, *On strong normality*, Uniform Distribution Theory **11** (2016), no. 1, 59–78.
132. J.M. De Koninck and I. Kátai, *The index of composition of the iterates of the Euler function*, Acta Mathematica Academiae Paedagogicae Nyiregyhaziensis **32** (2016), no. 2, 303–311.
133. J.M. De Koninck and I. Kátai, *On the uniform distribution of certain sequences involving the Euler totient function and the sum of divisors function*, Ann. Univ. Sci. Budapest. Sect. Comput. **44** (2015), 79–91.
134. J.M. De Koninck and I. Kátai, *On the  $k$ -fold iterates of the Euler totient function at shifted primes*, Annales Univ. Budapest Sect. Computatorica **45** (2016), 89–99.
135. J.M. De Koninck and I. Kátai, *On convoluted sums*, Annales Univ. Budapest, Sect. Computatorica **45** (2016), 75–87.
136. J.M. De Koninck and I. Kátai, *On the  $k$ -fold iterate of the sum of divisors function*, Colloquium Mathematicum **147** (2017), no.2, 247–255.
137. J.M. De Koninck, N. Doyon, F. Laniel, *On the proximity of multiplicative functions to the number of distinct prime factors function*, Math. Slovaca **68** (2018), No. 3, 1–14.
138. J.M. De Koninck and I. Kátai, *Prime factorization and normal numbers*, Researches in Mathematics and Mechanics **20** no. 2 (2015), 69–80.
139. J.M. De Koninck and I. Kátai, *Iterates of the sum of the unitary divisors of an integer*, Annales Univ. Budapest, Sect. Computatorica **45** (2016), 101–110.
140. J.M. De Koninck and I. Kátai, *On the number of prime factors of the  $k$ -fold iterate of the Euler function at consecutive arguments*, Analytic and probabilistic methods in number theory : proceedings of the second international conference in honour of J. Kubilius, Palanga, Lithuania, 23-27 September 1996, Antanas Laurincikas, editor, 2017, pp.29–44.

141. J.M. De Koninck and I. Kátai, *On the distribution of the difference of some arithmetic functions*, Bulletin of the Hellenic Mathematical Society **61** (2017), 1–10.
142. J.M. De Koninck and I. Kátai, *Normal numbers in generalized number systems in Euclidean spaces*, Annales Univ. Sci. Budapest, Sect. Computatorica **46** (2017), 15–25.
143. J.M. De Koninck and I. Kátai, *On the distribution of the number of prime factors of the  $k$ -fold iterate of various arithmetic functions*, Annales Univ. Sci. Budapest, Sect. Computatorica **46** (2017), 27–38.
144. J.M. De Koninck and I. Kátai, *Distinguishing between sharp and non-sharp normal numbers*, Math. Pannon. **26** (2017/2018), no. 1, 3–14.
145. J.M. De Koninck and I. Kátai, *On properties of sharp normal numbers and of non-Liouville numbers*, Annales mathématiques du Québec **42** (2018), Issue 1, 31–47.
146. J.M. De Koninck and M. Moineau, *Consecutive integers divisible by a power of their largest prime factor*, Journal of Integer Sequences **21** (2018), no. 9, Article 18.9.3, 16 pp.
147. J.M. De Koninck and I. Kátai, *On the values of the Euler function around shifted primes*, Annales mathématiques du Québec **43** (2019), Issue 1, 37–50.
148. J.M. De Koninck and I. Kátai, *Partitioning the set of primes to create  $r$ -dimensional sequences which are uniformly distributed modulo  $[0, 1)^r$* , Uniform Distribution Theory, **14** (2019), no.1, 11–18.
149. J.M. De Koninck and I. Kátai, *Distribution of arithmetic functions on particular subsets of integers*, Lithuanian Mathematical Journal **59** (2019), Issue 1, 24–38.
150. J.M. De Koninck, I. Kátai and B.M. Phong, *Three new conjectures related to the values of arithmetic functions at consecutive integers*, Annales Univ. Sci. Budapest, Sect. Comp. **49** (2019), 425–427.
151. J.M. De Koninck and F. Luca, *Consecutive integers with close kernels*, Canadian Mathematical Bulletin **62** (2019) (3), 469–473.
152. J.M. De Koninck and I. Kátai, *On the divisors of shifted primes*, Turkish Journal of Mathematics **43** (2019), no. 2, 998-1004.
153. J.M. De Koninck, I. Kátai and Bui Minh Phong, *On some consequences of recently proved conjectures*, Annales Univ. Sci. Budapest, Sect. Comp. **49** (2019), 123–128.
154. J.M. De Koninck, N. Doyon, V. Ouellet, *The limit distribution of the middle prime factors of an integer*, Integers **19** (2019), 1–23.
155. J.M. De Koninck and P. Letendre, *New upper bounds for the number of divisors function*, Colloquium Math. **162** (2020), 23–52.

156. J.M. De Koninck and I. Kátai, *Further generalisations of a classical theorem of Daboussi*, Colloquium Mathematicum **162** (2020), no. 1, 109–119.
157. J.M. De Koninck, N. Doyon, W. Verreault, and A Arthur Bonkli Razafindrasoanaivolala, *Bounds for the counting function of the Jordan-Pólya numbers*, Archivum Mathematicum **56** (2020), 135–146.
158. J.M. De Koninck and Arthur A Razafindrasoanaivolala, *On the middle divisors of an integer*, Annales Univ. Sci. Budapest **50** (2020), 113–126.
159. J.M. De Koninck and I. Kátai, *Digit patterns in real numbers created from permutations*, Annales Univ. Sci. Budapest **50** (2020), 93–100.
160. J.M. De Koninck, I. Kátai, B.M. Phong, *Characterising some triplets of completely multiplicative functions*, Annales Univ. Sci. Budapest **50** (2020), 101–112.
161. J.M. De Koninck and I. Kátai, *Exponential sums running over particular subsets of positive integers*, Annales Univ. Sci. Budapest **51** (2020), 51–57.
162. J.M. De Koninck, I. Kátai and B.M. Phong, *On the variations of completely multiplicative functions at consecutive arguments*, Publicationes Mathematicae Debrecen, accepté officiellement le 9 juillet 2020;
163. J.M. De Koninck, I. Kátai and B.M. Phong, *Almost-additive and almost-multiplicative functions with regularity properties*, soumis à Publicationes Mathematicae Debrecen le 20 mai 2020, accepté modulo certaines corrections le 10 septembre;

**B.** Articles publiés dans des revues ou livres sans comité de lecture:

1. J.M. De Koninck, *Une courte histoire du développement des fonctions arithmétiques*, Gazette Sci. Math. Québec **13** (1989), 2-14.
2. J.M. De Koninck, *Développements récents dans l'étude de la fonction zêta de Riemann*, Gazette Sci. Math. Québec **13** (1990), 2-19.
3. J.M. De Koninck et Patrick Moisan, *Comment se contredire tout en ayant chacun raison!* Envol, No. 126, 2004, 31-33.
4. J.M. De Koninck, *Le nombre  $\pi$  n'a pas fini de nous fasciner!*, Vie pédagogique, no. 136, septembre-octobre 2005, 14-15.
5. J.M. De Koninck, *Côtoyer les mathématiques au primaire: un atout pour l'épanouissement de l'élève*, Vivre le primaire, Vol. 20, no.4, Automne 2007, 18-19.
6. J.M. De Koninck et C. Bélisle, *Le combat des galaxies*, Accromath, Volume 9.1, Hiver-printemps 2014, 20–23
7. J.M. De Koninck et F. Gourdeau, *Virer sans déraper*, Accromath, Volume 9.2, Été-Automne 2014, 26–29.

### C. Livres publiés:

1. J.M. De Koninck and Aleksandar Ivić, *Topics in Arithmetical Functions*, North Holland, **43**, xvii + 262 pages, 1980.
2. J.M. De Koninck et Armel Mercier, *Approche élémentaire de l'étude des fonctions arithmétiques*, Les Presses de l'Université Laval, xxiii + 309 pages, 1982.
3. J.M. De Koninck et Armel Mercier, *Introduction à la théorie des nombres*, Modulo, 2<sup>e</sup> édition, x + 254 pages, 1997.
4. J.M. De Koninck et Armel Mercier, *1001 problèmes en théorie classique des nombres*, ELLIPSES, Paris, 400 pages, 2004.
5. J.M. De Koninck et Norbert Lacroix, *Introduction aux mathématiques de l'ingénieur*, Loze-Dion éditeur, Longueuil, 409 pages, 2004.
6. J.M. De Koninck and Armel Mercier, *1001 Problems in Classical Number Theory*, American Mathematical Society, Providence, RI, 2007, xii+336 pages.
7. J.M. De Koninck, *Ces nombres qui nous fascinent*, ELLIPSES, Paris, 432 pages, 2008.
8. J.M. De Koninck et Jean-François Cliche, *En chair et en maths*, Septembre Editeur, 72 pages, 2008.
9. J.M. De Koninck, *Those Fascinating Numbers*, American Mathematical Society, Providence, RI, 426 pages, 2009.
10. J.M. De Koninck et Jean-François Cliche, *The Secret Life of Mathematics*, Septembre Éditeur, 72 pages, 2009.
11. J.M. De Koninck et Jean-François Cliche, *En chair et en maths 2*, Septembre Éditeur, 80 pages, 2010.
12. J.M. De Koninck, *Routes et déroutes*, Les voix parallèles, 142 pages, 2010.
13. J.M. De Koninck, *Cette science qui ne cesse de nous étonner*, Septembre Éditeur, 112 pages, 2011.
14. J.M. De Koninck and Florian Luca, *Analytic Number Theory: Exploring the Anatomy of Integers*, Graduate Studies in Mathematics, Vol. 134, American Mathematical Society, Providence, Rhode Island, 2012.
15. J.M. De Koninck et Armel Mercier, *Notions fondamentales de la théorie des nombres*, Loze-Dion éditeur, 336 pages, 2013.
16. J.M. De Koninck et Norbert Lacroix, *Mathématiques appliquées aux domaines du génie*, Loze-Dion éditeur inc., 404 pages, 2019.

**D.** Livres en préparation:

1. J.M. De Koninck and Imre Kátaı, *Normal Numbers*.
2. J.M. De Koninck and Nicolas Doyon, *The Life of Primes in 37 Episodes*.

**E.** Critique scientifique sollicitée par l'American Mathematical Society:

- J.M. De Koninck, A review of two books, Bull. Amer. Math. Soc., **18** (1988), 230-247.

**F.** Edition de Comptes Rendus:

- J.M. De Koninck et C. Levesque, *Théorie des nombres / Number Theory* (Comptes rendus de la Conférence internationale de théorie des nombres tenue à l'Université Laval en 1987), de Gruyter, Berlin 1989, xxi + 1002 pages.
- J.M. De Koninck, A. Granville and F. Luca, *Anatomy of Integers*, CRM Proceedings and Lecture Notes, Volume 46, AMS, Providence, Rhode Island, 2008.