

A Complete Bibliography of the *Journal of Number Theory* (1960–1969)

Nelson H. F. Beebe
University of Utah
Department of Mathematics, 110 LCB
155 S 1400 E RM 233
Salt Lake City, UT 84112-0090
USA

Tel: +1 801 581 5254
FAX: +1 801 581 4148

E-mail: beebe@math.utah.edu, beebe@acm.org,
beebe@computer.org (Internet)
WWW URL: <http://www.math.utah.edu/~beebe/>

16 July 2020
Version 1.00

Title word cross-reference

-1 [24]. $ax^2 + by^2 + cz^2 = 0$ [3]. $\text{mod } p$ [13]. e [32]. k [41]. L [8]. n [41].
 $P(\sqrt{-2p})$ [27]. $p = ef + 1$ [32]. $p \neq 2$ [27].

-functions [8]. **-Funktionen** [8]. **-th** [41].

abelian [4, 5, 22]. **additive** [42]. **algebra** [20]. **algebraic** [9, 18, 34, 36].
algebraische [36]. **allied** [15]. **ambiguous** [6]. **approximable** [17].
approximations [21]. **April** [16]. **arguments** [8]. **Argumentstellen** [8].
Asymmetric [35]. **asymptotic** [21]. **auflösbar** [36]. **Author** [55].
automorphisms [25].

Badly [17]. **basic** [21]. **beschränkter** [36]. **Bestimmung** [19]. **Beurling**
[23]. **bezüglich** [40]. **binary** [53]. **biquadratic** [12]. **Board** [2]. **bound** [12].

Cayley [20]. **Characterization** [26]. **circle** [49]. **circulants** [32]. **Class** [9, 12, 19, 27, 29]. **class-number** [29]. **classes** [8, 50]. **classes-** [8]. **coefficients** [47]. **cohomology** [6]. **combinatorial** [5, 22]. **compatibility** [45]. **composite** [32]. **condition** [45]. **congruence** [25, 43]. **Consecutive** [46]. **Corresponding** [34, 44]. **cubic** [21]. **curves** [11]. **Cyclic** [19, 34, 44]. **cyclotomic** [24]. **cyclotomy** [32].

Davenport [39]. **Dedekind** [25]. **degree** [34, 44]. **denen** [36]. **Determination** [19]. **diophantine** [21]. **discriminant** [50]. **Discriminantal** [53]. **distribution** [15, 41]. **divisors** [53]. **domains** [25].

Editorial [2]. **equation** [3, 36]. **every** [36]. **extensions** [34, 44].

factoring [13]. **factorization** [14, 33]. **field** [21, 24, 27]. **fields** [4, 9, 12, 34, 36]. **finite** [5, 22]. **forms** [17, 35, 50, 53, 54]. **function** [43]. **functions** [8, 15, 29, 42]. **Funktionen** [8].

Galois [6]. **gap** [7]. **Gauss** [12]. **Gaussian** [46]. **genera** [4]. **generalized** [23]. **German** [8, 19, 27, 36, 40, 43]. **Gleichung** [36]. **groups** [5, 10, 22, 25].

Halberstam [39]. **Hecke** [28]. **Heegner** [7]. **Hensel** [33]. **homogeneous** [35].

ideals [6]. **II** [22]. **index** [55]. **inequality** [35]. **Infinite** [36]. **integer** [3, 47]. **integers** [18, 31, 46]. **integral** [42]. **integral-valued** [42]. **invariants** [37]. **isomorphic** [49].

January [1]. **jede** [36]. **July** [30].

Klassenzahl [27]. **Klassenzahlen** [19]. **Kongruenzeigenschaften** [43]. **Körpers** [27].

lattice [54]. **lattice-point** [54]. **law** [48]. **Leopoldt** [4]. **level** [36]. **limited** [36]. **linear** [10, 17, 25]. **Lubin** [48].

magnitude [3]. **matrices** [26]. **Mixed** [32]. **modular** [29]. **module** [45]. **Modules** [20]. **moduli** [11]. **modulo** [32, 41]. **Moments** [50].

natural [8]. **natürlichen** [8]. **negative** [50]. **noetherian** [10]. **non** [35, 41, 46]. **non-homogeneous** [35]. **non-residues** [41, 46]. **norm** [54]. **Normalität** [40]. **Normality** [40]. **note** [9, 18]. **number** [4, 9, 21, 23, 27, 29, 34, 36, 40, 50]. **Numbers** [8, 9, 19, 23]. **Numerical** [19]. **Numerische** [19].

October [38].

Pages [1, 16, 30, 38]. pairs [31]. paper [51, 52]. partition [43].
 partitionenfunktion [43]. plane [49]. point [54]. polynomials [14, 47].
 positive [31]. power [32, 41, 44]. previous [52]. prime [23, 27, 32, 34, 44].
 prime-power [32]. primitive [50]. Primzahl [27]. problem
 [5, 22, 29, 37, 54]. properties [43]. punctured [49].

quadratic [8, 35, 50, 53]. quadratischer [8]. quartics [13].

rational [37]. Real [8, 19, 21]. reciprocity [48]. reell [8].
 reell-quadratischer [8]. reeller [19]. regarding [40]. Remarks [51, 52].
 representation [24]. residue [34, 44]. residues [41, 46]. result [39].
 Riemann [15]. ring [8]. Ringklassen [8]. Ringklassen- [8]. rings [20].
 role [29]. roots [15].

schemes [11]. Schwarz [51]. sets [31]. several [54]. Simultaneous [21].
 singularities [11]. solutions [3]. solvable [36]. some [31]. squares [24].
 Stufe [36]. submodules [45]. sum [24]. supplement [4]. systems
 [17, 34, 44].

Tate [48]. ternary [35]. th [41]. theorem [7, 23, 28]. theoretical [40].
 theory [4]. transformationen [40]. transformations [40].

Unendliche [36]. unipotent [26]. unit [49].

valued [42]. values [8]. variables [54].

W. [51]. Werte [8]. which [36].

zahlentheoretischer [40]. Zahlkörper [8, 19, 36]. zeta [15]. zyklischer [19].

References

Anonymous:1969:PJa

- [1] Anonymous. Pages 1–137 (January 1969). *Journal of Number Theory*, 1(1):
 ??, January 1969. CODEN JNUTA9. ISSN 0022-314X (print), 1096-1658
 (electronic).

Anonymous:1969:EB

- [2] Anonymous. Editorial Board. *Journal of Number Theory*, 1(1):i, Jan-
 uary 1969. CODEN JNUTA9. ISSN 0022-314X (print), 1096-1658 (elec-

tronic). URL <http://www.sciencedirect.com/science/article/pii/S0022314X69900183>.

Mordell:1969:MIS

- [3] L. J. Mordell. On the magnitude of the integer solutions of the equation $ax^2 + by^2 + cz^2 = 0$. *Journal of Number Theory*, 1(1):1–3, January 1969. CODEN JNUTA9. ISSN 0022-314X (print), 1096-1658 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0022314X69900195>.

Hasse:1969:SLT

- [4] Helmut Hasse. A supplement to Leopoldt’s theory of genera in abelian number fields. *Journal of Number Theory*, 1(1):4–7, January 1969. CODEN JNUTA9. ISSN 0022-314X (print), 1096-1658 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0022314X69900201>.

Olson:1969:CPFa

- [5] John E. Olson. A combinatorial problem on finite Abelian groups, I. *Journal of Number Theory*, 1(1):8–10, January 1969. CODEN JNUTA9. ISSN 0022-314X (print), 1096-1658 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0022314X69900213>.

Ullom:1969:GCA

- [6] S. Ullom. Galois cohomology of ambiguous ideals. *Journal of Number Theory*, 1(1):11–15, January 1969. CODEN JNUTA9. ISSN 0022-314X (print), 1096-1658 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0022314X69900225>.

Stark:1969:GTH

- [7] H. M. Stark. On the “gap” in a theorem of Heegner. *Journal of Number Theory*, 1(1):16–27, January 1969. CODEN JNUTA9. ISSN 0022-314X (print), 1096-1658 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0022314X69900237>.

Barner:1969:WRF

- [8] Klaus Barner. Über die Werte der Ringklassen- L -Funktionen reell-quadratischer Zahlkörper an natürlichen Argumentstellen. (German) [On the values of the ring classes- L -functions of real quadratic numbers at natural arguments]. *Journal of Number Theory*, 1(1):28–64, January 1969. CODEN JNUTA9. ISSN 0022-314X (print), 1096-1658 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0022314X69900249>.

Ishida:1969:NCN

- [9] Makoto Ishida. A note on class numbers of algebraic number fields. *Journal of Number Theory*, 1(1):65–69, January 1969. CODEN JNUTA9. ISSN 0022-314X (print), 1096-1658 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022314X69900250>.

Zassenhaus:1969:LNG

- [10] Hans Zassenhaus. On linear noetherian groups. *Journal of Number Theory*, 1(1):70–89, January 1969. CODEN JNUTA9. ISSN 0022-314X (print), 1096-1658 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022314X69900262>.

Popp:1969:SMS

- [11] Herbert Popp. The singularities of the moduli schemes of curves. *Journal of Number Theory*, 1(1):90–107, January 1969. CODEN JNUTA9. ISSN 0022-314X (print), 1096-1658 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022314X69900274>.

Lakein:1969:GBC

- [12] R. B. Lakein. A Gauss bound for a class of biquadratic fields. *Journal of Number Theory*, 1(1):108–112, January 1969. CODEN JNUTA9. ISSN 0022-314X (print), 1096-1658 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022314X69900286>.

Leonard:1969:FQ

- [13] Philip A. Leonard. On factoring quartics (mod p). *Journal of Number Theory*, 1(1):113–115, January 1969. CODEN JNUTA9. ISSN 0022-314X (print), 1096-1658 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022314X69900298>.

Kempfert:1969:FP

- [14] H. Kempfert. On the factorization of polynomials. *Journal of Number Theory*, 1(1):116–120, January 1969. CODEN JNUTA9. ISSN 0022-314X (print), 1096-1658 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022314X69900304>.

Halasz:1969:DRR

- [15] G. Halász and P. Turán. On the distribution of roots of Riemann zeta and allied functions, I. *Journal of Number Theory*, 1(1):121–137, January 1969. CODEN JNUTA9. ISSN 0022-314X (print), 1096-1658 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022314X69900316>.

Anonymous:1969:PA

- [16] Anonymous. Pages 139–260 (April 1969). *Journal of Number Theory*, 1(2):??, April 1969. CODEN JNUTA9. ISSN 0022-314X (print), 1096-1658 (electronic).

Schmidt:1969:BAS

- [17] Wolfgang M. Schmidt. Badly approximable systems of linear forms. *Journal of Number Theory*, 1(2):139–154, April 1969. CODEN JNUTA9. ISSN 0022-314X (print), 1096-1658 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022314X69900328>.

Blanksby:1969:NAI

- [18] P. E. Blanksby. A note on algebraic integers. *Journal of Number Theory*, 1(2):155–160, April 1969. CODEN JNUTA9. ISSN 0022-314X (print), 1096-1658 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022314X6990033X>.

Bauer:1969:NBK

- [19] Helmut Bauer. Numerische Bestimmung von Klassenzahlen reeller zyklischer Zahlkörper. (German) [Numerical determination of class numbers of real cyclic numbers]. *Journal of Number Theory*, 1(2):161–162, April 1969. CODEN JNUTA9. ISSN 0022-314X (print), 1096-1658 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022314X69900341>.

Estes:1969:MRC

- [20] Dennis Estes and Gordon Pall. Modules and rings in the Cayley algebra. *Journal of Number Theory*, 1(2):163–178, April 1969. CODEN JNUTA9. ISSN 0022-314X (print), 1096-1658 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022314X69900353>.

Adams:1969:SAD

- [21] William W. Adams. Simultaneous asymptotic diophantine approximations to a basis of a real cubic number field. *Journal of Number Theory*, 1(2):179–194, April 1969. CODEN JNUTA9. ISSN 0022-314X (print), 1096-1658 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022314X69900365>.

Olson:1969:CPFb

- [22] John E. Olson. A combinatorial problem on finite Abelian groups, II. *Journal of Number Theory*, 1(2):195–199, April 1969. CODEN JNUTA9. ISSN 0022-314X (print), 1096-1658 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022314X69900377>.

Diamond:1969:PNT

- [23] Harold G. Diamond. The prime number theorem for Beurling's generalized numbers. *Journal of Number Theory*, 1(2):200–207, April 1969. CODEN JNUTA9. ISSN 0022-314X (print), 1096-1658 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022314X69900389>.

Chowla:1969:RSS

- [24] Paromita Chowla. On the representation of -1 as a sum of squares in a cyclotomic field. *Journal of Number Theory*, 1(2):208–210, April 1969. CODEN JNUTA9. ISSN 0022-314X (print), 1096-1658 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022314X69900390>.

OMeara:1969:ALC

- [25] O. T. O'Meara and H. Zassenhaus. The automorphisms of the linear congruence groups over Dedekind domains. *Journal of Number Theory*, 1(2):211–221, April 1969. CODEN JNUTA9. ISSN 0022-314X (print), 1096-1658 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022314X69900407>.

Zassenhaus:1969:CUM

- [26] Hans Zassenhaus. Characterization of unipotent matrices. *Journal of Number Theory*, 1(2):222–230, April 1969. CODEN JNUTA9. ISSN 0022-314X (print), 1096-1658 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022314X69900419>.

Hasse:1969:KKP

- [27] Helmut Hasse. Über die Klassenzahl des Körpers $P(\sqrt{-2p})$ mit einer Primzahl $p \neq 2$. (German) [On the class number of the field $P(\sqrt{-2p})$ with a prime number $p \neq 2$]. *Journal of Number Theory*, 1(2):231–234, April 1969. CODEN JNUTA9. ISSN 0022-314X (print), 1096-1658 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022314X69900420>.

Knapowski:1969:TH

- [28] S. Knapowski. On a theorem of Hecke. *Journal of Number Theory*, 1(2):235–251, April 1969. CODEN JNUTA9. ISSN 0022-314X (print), 1096-1658 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022314X69900432>.

Stark:1969:RMF

- [29] H. M. Stark. The role of modular functions in a class-number problem. *Journal of Number Theory*, 1(2):252–260, April 1969. CODEN

JNUTA9. ISSN 0022-314X (print), 1096-1658 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022314X69900444>.

Anonymous:1969:PJb

- [30] Anonymous. Pages 261–384 (July 1969). *Journal of Number Theory*, 1(3):??, July 1969. CODEN JNUTA9. ISSN 0022-314X (print), 1096-1658 (electronic).

Delange:1969:SSP

- [31] Hubert Delange. On some sets of pairs of positive integers. *Journal of Number Theory*, 1(3):261–279, July 1969. CODEN JNUTA9. ISSN 0022-314X (print), 1096-1658 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022314X69900456>.

Storer:1969:MCP

- [32] Thomas Storer. Mixed cyclotomy, prime-power circulants, and cyclotomy modulo $p = ef + 1$ for composite e . *Journal of Number Theory*, 1(3):280–290, July 1969. CODEN JNUTA9. ISSN 0022-314X (print), 1096-1658 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022314X69900468>.

Zassenhaus:1969:HF

- [33] Hans Zassenhaus. On Hensel factorization, I. *Journal of Number Theory*, 1(3):291–311, July 1969. CODEN JNUTA9. ISSN 0022-314X (print), 1096-1658 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022314X6990047X>.

McCulloh:1969:CRS

- [34] L. R. McCulloh and W. T. Stout. Corresponding residue systems in cyclic extensions of prime degree over algebraic number fields. *Journal of Number Theory*, 1(3):312–325, July 1969. CODEN JNUTA9. ISSN 0022-314X (print), 1096-1658 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022314X69900481>.

Dumir:1969:AIN

- [35] Vishwa Chander Dumir. Asymmetric inequality for non-homogeneous ternary quadratic forms. *Journal of Number Theory*, 1(3):326–345, July 1969. CODEN JNUTA9. ISSN 0022-314X (print), 1096-1658 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022314X69900493>.

Geyer:1969:UAZ

- [36] Wulf-Dieter Geyer. Unendliche algebraische Zahlkörper, über denen jede Gleichung auflösbar von beschränkter Stufe ist. (German) [Infinite algebraic number fields over which every equation is solvable of limited level]. *Journal of Number Theory*, 1(3):346–374, July 1969. CODEN JNUTA9. ISSN 0022-314X (print), 1096-1658 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022314X6990050X>.

Giles:1969:PRI

- [37] William B. Giles and Donald L. McQuillan. A problem on rational invariants. *Journal of Number Theory*, 1(3):375–384, July 1969. CODEN JNUTA9. ISSN 0022-314X (print), 1096-1658 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022314X69900511>.

Anonymous:1969:PO

- [38] Anonymous. Pages 385–557 (October 1969). *Journal of Number Theory*, 1(4):??, October 1969. CODEN JNUTA9. ISSN 0022-314X (print), 1096-1658 (electronic).

Liu:1969:RDH

- [39] Ming-Chit Liu. On a result of Davenport and Halberstam. *Journal of Number Theory*, 1(4):385–389, October 1969. CODEN JNUTA9. ISSN 0022-314X (print), 1096-1658 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022314X69900018>.

Schweiger:1969:NBZ

- [40] F. Schweiger. Normalität bezüglich zahlentheoretischer transformationen. (German) [Normality regarding number theoretical transformations]. *Journal of Number Theory*, 1(4):390–397, October 1969. CODEN JNUTA9. ISSN 0022-314X (print), 1096-1658 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022314X6990002X>.

Norton:1969:DPR

- [41] Karl K. Norton. On the distribution of k -th power residues and non-residues modulo n . *Journal of Number Theory*, 1(4):398–418, October 1969. CODEN JNUTA9. ISSN 0022-314X (print), 1096-1658 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022314X69900031>.

Delange:1969:IVA

- [42] Hubert Delange. On integral-valued additive functions. *Journal of Number Theory*, 1(4):419–430, October 1969. CODEN JNUTA9. ISSN 0022-314X

(print), 1096-1658 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022314X69900043>.

Herrmann:1969:KPG

- [43] Oskar Herrmann. Kongruenzeigenschaften der partitionenfunktion. (German) [Congruence properties of the partition function]. *Journal of Number Theory*, 1(4):431–458, October 1969. CODEN JNUTA9. ISSN 0022-314X (print), 1096-1658 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022314X69900055>.

McCulloh:1969:CEP

- [44] Leon R. McCulloh. Cyclic extensions of prime power degree and corresponding residue systems. *Journal of Number Theory*, 1(4):459–466, October 1969. CODEN JNUTA9. ISSN 0022-314X (print), 1096-1658 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022314X69900067>.

Zassenhaus:1969:CCS

- [45] Hans Zassenhaus. A condition for the compatibility of submodules of a module. *Journal of Number Theory*, 1(4):467–476, October 1969. CODEN JNUTA9. ISSN 0022-314X (print), 1096-1658 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022314X69900079>.

Jordan:1969:CRN

- [46] James H. Jordan. Consecutive residues or non-residues in the Gaussian integers. *Journal of Number Theory*, 1(4):477–485, October 1969. CODEN JNUTA9. ISSN 0022-314X (print), 1096-1658 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022314X69900080>.

Gunji:1969:PIC

- [47] Hiroshi Gunji and Donald L. McQuillan. On polynomials with integer coefficients. *Journal of Number Theory*, 1(4):486–493, October 1969. CODEN JNUTA9. ISSN 0022-314X (print), 1096-1658 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022314X69900092>.

Shiratani:1969:LTR

- [48] Katsumi Shiratani. On the Lubin–Tate reciprocity law. *Journal of Number Theory*, 1(4):494–499, October 1969. CODEN JNUTA9. ISSN 0022-314X (print), 1096-1658 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022314X69900109>.

Clay:1969:PPI

- [49] James R. Clay. The punctured plane is isomorphic to the unit circle. *Journal of Number Theory*, 1(4):500–501, October 1969. CODEN JNUTA9. ISSN 0022-314X (print), 1096-1658 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022314X69900110>.

Wolke:1969:MNC

- [50] Dieter Wolke. Moments of the number of classes of primitive quadratic forms with negative discriminant. *Journal of Number Theory*, 1(4):502–511, October 1969. CODEN JNUTA9. ISSN 0022-314X (print), 1096-1658 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022314X69900122>.

Mahler:1969:RPW

- [51] K. Mahler. Remarks on a paper by W. Schwarz. *Journal of Number Theory*, 1(4):512–521, October 1969. CODEN JNUTA9. ISSN 0022-314X (print), 1096-1658 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022314X69900134>.

Chowla:1969:RPP

- [52] Paromita Chowla. Remarks on a previous paper. *Journal of Number Theory*, 1(4):522–524, October 1969. CODEN JNUTA9. ISSN 0022-314X (print), 1096-1658 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022314X69900146>.

Pall:1969:DDB

- [53] Gordon Pall. Discriminantal divisors of binary quadratic forms. *Journal of Number Theory*, 1(4):525–533, October 1969. CODEN JNUTA9. ISSN 0022-314X (print), 1096-1658 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022314X69900158>.

Ramachandra:1969:LPP

- [54] K. Ramachandra. A lattice-point problem for norm forms in several variables. *Journal of Number Theory*, 1(4):534–555, October 1969. CODEN JNUTA9. ISSN 0022-314X (print), 1096-1658 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022314X6990016X>.

Anonymous:1969:AI

- [55] Anonymous. Author index. *Journal of Number Theory*, 1(4):557, October 1969. CODEN JNUTA9. ISSN 0022-314X (print), 1096-1658 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022314X69900171>.