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- [11] **Normed ring of a locally compact abelian group**
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 Proc. Imp. Acad. Tokyo, 19(1943), 360-365.
- [12] **Über die Harmonischen Tensorfelder in Riemannschen Mannigfaltigkeiten, (I), (II), (III)** 105
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- [36] **On a theorem of Lefschetz and the lemma of Enriques-Severi-Zariski** (collaborated with D. C. Spencer) 677
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Proc. Intern. Congress of Mathematicians, 1954, Vol. III, 474-480.
- [40] **Characteristic linear systems of complete continuous systems** 715
Amer. J. Math., 78(1956), 716-744.
- [41] **On the complex projective spaces** (collaborated with F. Hirzebruch) 744
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- [42] **On the variation of almost-complex structure**
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Algebraic Geometry and Topology, Princeton Univ. Press, 1957,
 pp. 139-150.
- [43] **On deformations of complex analytic structures, I-II**
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- [46] **Existence of complex structure on a differentiable family of deformations of compact complex manifolds**
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- [47] **A theorem of completeness of characteristic systems of complete continuous systems** (collaborated with D. C. Spencer) 956
Amer. J. Math., 81(1959), 477-500.

- [48] **On deformations of complex analytic structures, III , Stability theorems for complex structures** (collaborated with D. C. Spencer) 980
Ann. of Math., 71(1960), 43-76.
- [49] **On deformations of some complex pseudo-group structures** 1014
Ann. of Math., 71(1960), 224-302.
- [50] **Multifoliate structures** (collaborated with D. C. Spencer) 1093
Ann. of Math., 74(1961), 52-100.

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- [51] **On compact analytic surfaces** 1142
Analytic Functions, Princeton Univ. Press, 1960, pp. 121-135.
- [52] **On compact complex analytic surfaces, I** 1157
Ann. of Math., 71(1960), 111-152.
- [53] **A theorem of completeness for analytic systems of surfaces, with ordinary singularities** 1199
Ann. of Math., 74(1961), 591-627.
- [54] **A theorem of completeness of characteristic systems for analytic families of compact submanifolds of complex manifolds** 1236
Ann. of Math., 75(1962), 146-162.
- [55] **On stability of compact submanifolds of complex manifolds** 1253
Amer. J. Math., 85(1963), 79-94.
- [56] **On compact analytic surfaces, II-III** 1269
Ann. of Math., 77(1963), 563-626, 78(1963), 1-40.
- [57] **On the structure of compact complex analytic surfaces** 1373
Proc. Nat. Acad. Sci. U. S. A., 50(1963), 218-221.
- [58] **On the structure of compact complex analytic surfaces, II** 1377
Proc. Nat. Acad. Sci. U. S. A., 51(1964), 1100-1104.
- [59] **On the structure of compact complex analytic surfaces** 1382
Lecture Notes prepared in connection with the A. M. S. Summer Institute on Algebraic Geometry held at the Whitney Estate, Woods Hole, Mass. July 6-July 31, 1964.

- [60] **On the structure of compact complex analytic surfaces, I** 1389
 Amer. J. Math., 86(1964), 751–798.
- [61] **On characteristic systems of families of surfaces with ordinary singularities in a projective space** 1437
 Amer. J. Math., 87(1965), 227–256.
- [62] **Complex structures on $S^1 \times S^3$** 1467
 Proc. Nat. Acad. Sci. U. S. A., 55(1966), 240–243.
- [63] **On the structure of compact complex analytic surfaces, II** 1471
 Amer. J. Math., 88(1966), 682–721.
- [64] **A certain type of irregular algebraic surfaces** 1511
 J. Analyse Math., 19(1967), 207–215.
- [65] **Pluricanonical systems on algebraic surfaces of general type** 1520
 Proc. Nat. Acad. Sci. U. S. A., 58(1967), 911–915.
- [66] **On the structure of compact complex analytic surfaces, III** 1525
 Amer. J. Math., 90(1968), 55–83.
- [67] **Pluricanonical systems on algebraic surfaces of general type** 1554
 J. Math. Soc. Japan, 20(1968), 170–192.
- [68] **On the structure of complex analytic surfaces, IV** 1577
 Amer. J. Math., 90(1968), 1048–1066.
- [69] **On homotopy $K3$ surfaces** 1596
 Essays on Topology and Related Topics, Mémoires dédiés à Georges de Rham, Springer, 1970, pp. 58–69.
- [70] **Holomorphic mappings of polydiscs into compact complex manifolds** 1608
 J. Differential Geometry, 6(1971), 33–46.