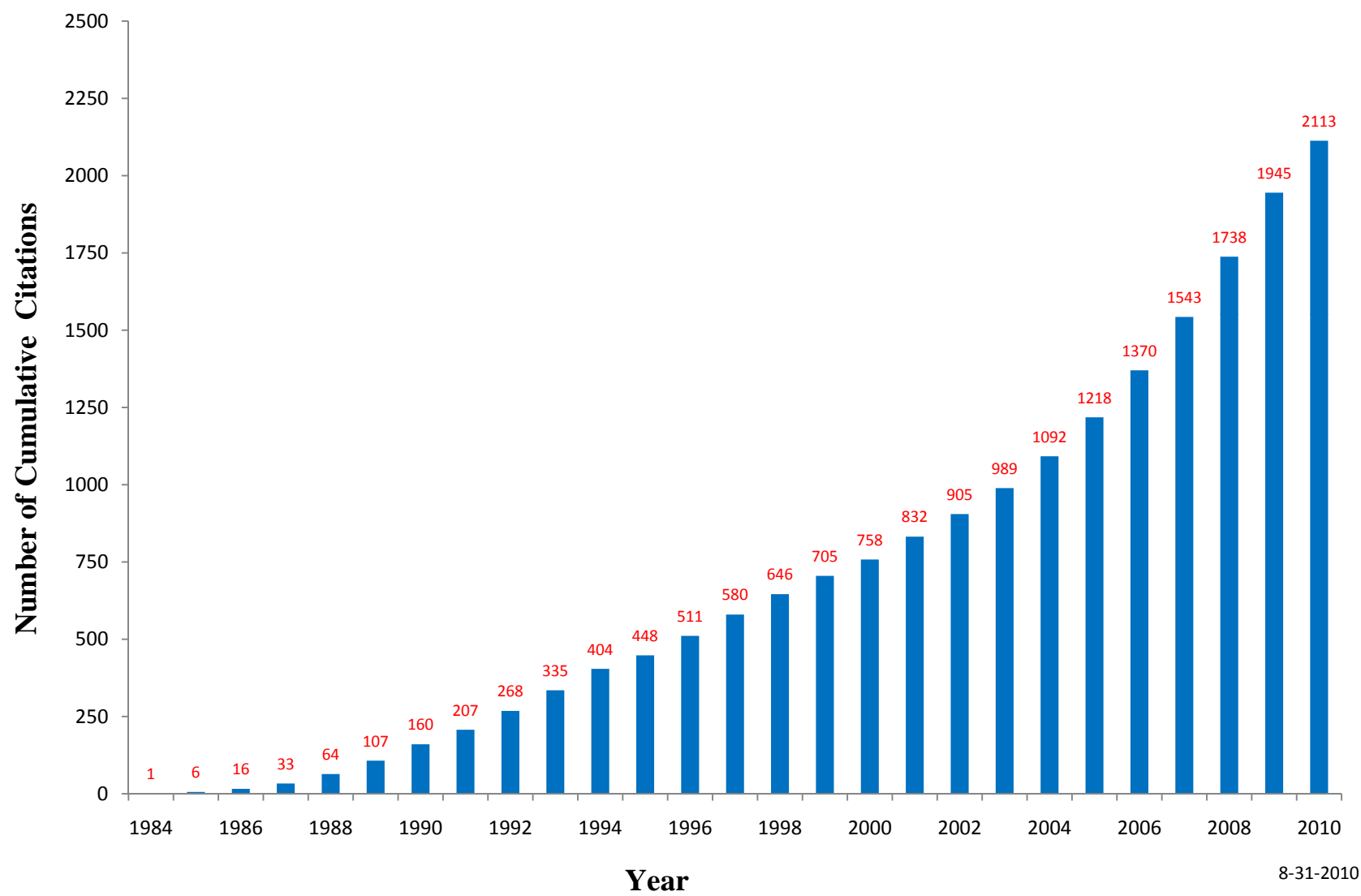


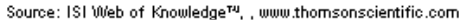
Supplementary Information

Scheme S-1. Derivation of the median-effect equation as the general theory for the related theorems. (a) Diagram of merging the mass-action law with mathematical induction-deduction to derive general equations to create individual methods, general methods, and computer software. (b) Flow chart showing the derivation of the multiple drug-effect equation from the single drug-effect equation, and the derivation of the higher order equation from the first order equation using the median-effect principle as the common link. f_i , fractional inhibition; f_v , fractional velocity that is not inhibited; X, mutually exclusive among inhibitors and NX, mutually non-exclusive among inhibitors. (Figure updated from ref. 7. Copyright 1991 with permission from Elsevier).

Figure S-1. Slow onset of recognition of the MEE² and its CI theory²¹ during the past three and half decades by the biomedical communities as shown by (a) Time course of cumulative citations of ref. 21 during 1984 to August 31, 2010. (b) Citation map of total citations of ref. 21 by different journals as of August 31, 2010. (Based on Thompson ISI Web of Knowledge/ResearcherID).

a. Time Course of Cumulative Citations of Ref. 21, 1984 to August 2010

Quantitative-Analysis of Dose-Effect Relationships- The Combined Effects of Multiple-Drugs or Enzyme-Inhibitors



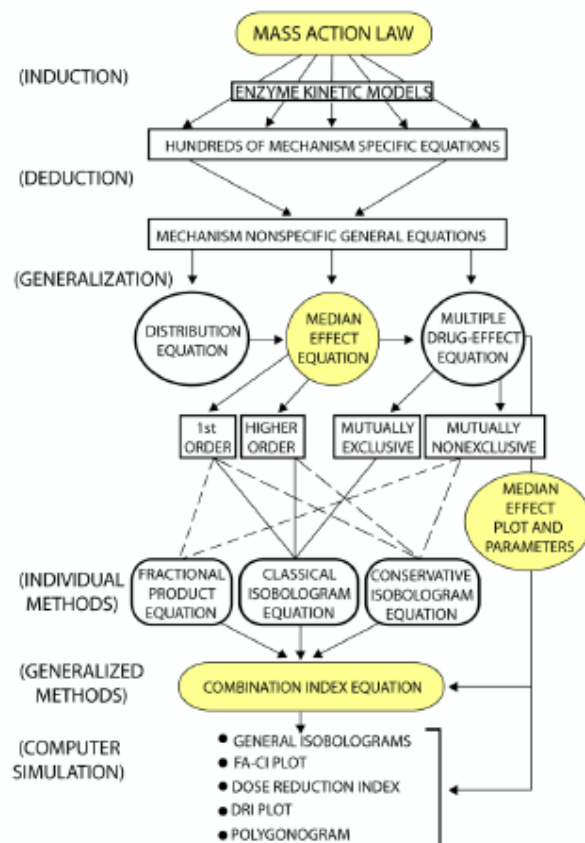
CHOU, TC; TALALAY, P
ADVANCES IN ENZYME REGULATION, 22: 27-55, 1984

Times Cited: 2,137 (In 453 Journals)

Chou, Figure S-1b

a

The Derivation of
the Median-Effect Principle
and Its Extensions to
Multiple Drug Effect Equation



b

The Derivation of
Multiple Drug-Effect Equations
with a Flow-Chart

